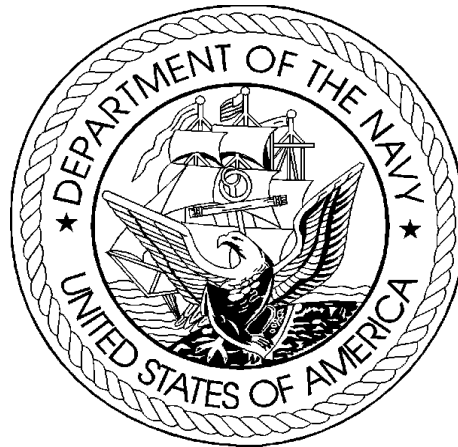


DEPARTMENT OF THE NAVY
FY 1999 BUDGET ESTIMATE SUBMISSION



JUSTIFICATION OF ESTIMATES
SEPTEMBER 1997

PROCUREMENT, MARINE CORPS
BUDGET ACTIVITY 4

UNCLASSIFIED

Department of the Navy

FY 1999 Procurement Program

Exhibit P-1

APPROPRIATION: 1109N Procurement, Marine Corps

DATE: 09/30/97

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1999 UNIT COST	TOA, \$ IN MILLIONS						S E C
				-----FY 1997-----		-----FY 1998-----		-----FY 1999-----		
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 04: Communications and Electronics Equipment										

Repair And Test Equipment										
15	4402 Auto Test Equip Sys	B			12.2		12.1		19.7	U
16	4429 General Purpose Electronic Test Equip.	A			8.5		9.1		9.4	U
Intell/Comm Equipment (NON-TEL)										
17	4683 AN/TPQ-36 Fire Finder Radar Upgrade	A			34.0		.2		.2	U
18	4747 Intelligence Support Equipment	B			31.5		16.4		10.6	U
19	4749 Mod Kits (Intel)	A			6.1		5.8		4.6	U
20	4751 Items Less Than \$2M (Intell)	A			.4		.6		-	U
Repair And Test Equipment (NON-TEL)										
21	4837 General Prupose Mechanical TMDE	A			3.0		2.2		4.5	U
Other Comm/Elec Equipment (NON-TEL)										
22	4930 Night Vision Equipment	B			19.5		-		11.8	U
Other Support (NON-TEL)										
23	4631 Command Post Systems	A			10.1		13.9		7.3	U
24	4632 Maneuver C2 Systems	B			6.7		8.0		19.7	U
25	4633 Radio Systems	B			42.8		26.9		63.1	U

UNCLASSIFIED

Department of the Navy

FY 1999 Procurement Program

Exhibit P-1

APPROPRIATION: 1109N Procurement, Marine Corps

DATE: 09/30/97

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1999 UNIT COST	TOA, \$ IN MILLIONS						S E C
				-----FY 1997-----		-----FY 1998-----		-----FY 1999-----		
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
26	4634 Comm Switching & Control Systems	B			14.0		44.7		74.2	U
27	4635 Comm & Elec Infrastructure Support	A			56.0		37.8		53.6	U
28	4636 Mod Kits MAGTF C41	B			54.5		23.0		27.9	U
29	4637 Items < \$2M MAGTF C41	A			.3		.4		2.5	U
30	4638 Modification Kits (Other)	A			11.0		1.7		-	U
31	4639 Items < \$2M (Other)	A			2.6		3.3		3.5	U
32	4640 Air Operations C2 Systems	A			10.9		9.4		11.7	U
TOTAL Communications and Electronics Equipment					324.2		215.6		324.2	

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 019						P-1 Item Nomenclature: AUTO TEST EQUIP (P44419)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				12	34	59	91				41	237
Gross Cost	3.9			12.2	12.1	19.7	29.9					78
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	3.9			12.2	12.1	19.7	29.9					78
Initial Spares					1.3	1.5	0.1					3
Total Proc Cost	3.9			12.2	13.4	21.2	30.0					81
Flyaway U/C												0.3
Wpn Sys Proc U/C				1.0	.4	.4	.3					.3
<p>AUTOMATIC TEST EQUIPMENT: THIRD ECHELON TEST SET (TETS) PROVIDES MOBILE AUTOMATIC TEST CAPABILITIES TO THE FORWARD EDGE OF THE BATTLEFIELD TO TEST LINE REPLACEABLE UNITS (RU) AND CIRCUIT CARD ASSEMBLIES (CCA). TETS PROVIDES FOR THE RAPID RESTORATION OF WEAPON SYSTEMS AT OR NEAR THE FORWARD EDGE OF THE BATTLEFIELD. TETS CONSISTS OF HARDWARE AND SOFTWARE PORTABLE EQUIPMENT:</p> <p>DT/OT - Not required ACAT IVM PE - RDT&E PE Number 26624M MS I/II - May 95 MS III - May 98 Technical Data packages - Feb 99 Bid-Sample Testing was from Mid May to 3 July 97, resulting in the selection of a production contractor. Field User's Testing is scheduled for Feb 98</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 019			P-1 Line Item Nomenclature: AUTO TEST EQUIP (P44419)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/USM-657 THIRD ECHELON TEST SET	B				2074	8	259273	2337	9	259664	3377	14	241204
TETS (BASIC)					1504	4	376212	8058	25	322332	14745	45	327674
TETS (RF)													
SPECIAL TEST EQUIPMENT					1479			100			100		
OTHER SUPPORT					1521			1466			1292		
FACTORY TRAINING					100			100			100		
TRAVEL					10			10			10		
ILS								50			50		
NON-RECURRING ENGINEERING					5465								
TOTAL					12153			12121			19674		
Active Total								9471			15432		
Reserve Total								2650			4242		

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 019				Weapon System Type:		P-1 Line Item Nomenclature: AUTO TEST EQUIP (P44419)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
AN/USM-657 THIRD ECHELON TEST SET											
FY 1997 TETS BASIC TETS RF	MANTECH SYS ENG, CORP CHANTILLY, VA	C/FP	MARCORSYSCOM	Aug-97	Jan-98	8 4	259 376	Y Y		Apr-96	
FY 1998 TETS BASIC TETS RF	TBD	C/FP	MARCORSYSCOM	May-98	Sep-98	9 25	260 322	Y Y			
FY 1999 TETS BASIC TETS RF	TBD	C/FP	MARCORSYSCOM	Nov-98	Mar-99	14 45	241 328	Y Y			
FY 2000 TETS BASIC RF	TBD	C/FP	MARCORSYSCOM	Nov-99	Mar-00	91	317	Y			
REMARKS:											

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997					
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020								P-1 Item Nomenclature: General Purpose Electronic Test Equip(P44588)					
Program Elements for Code B Items:				Code:		Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog	
Proc Qty													
Gross Cost	21.5			8.5	9.1	9.4	13.4	7.3	9.4	7.3	Cont.	Cont.	
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)	21.5			8.5	9.1	9.4	13.4	7.3	9.4	7.3	Cont.	Cont.	
Initial Spares				1.3	0.1								
Total Proc Cost	21.5			9.8	9.2	9.4	13.4	7.3	9.4	7.3	Cont.	Cont.	
Flyaway U/C													
Wpn Sys Proc U/C													
<p>Funds allocated under this line are used to procure General Purpose Electronic Test Equipment (GPETE) items. Funds sustain modernization and standardization efforts, in addition to meeting new requirements. These GPETE items are required to support USMC weapon systems that utilize or consist of electronic components. USMC operating forces (Division and Wing) use GPETE items to test and measure the performance of their weapon systems to ensure they are operating properly and safely. USMC supporting maintenance forces (FSSG) use GPETE items to test, troubleshoot, repair, and align broken weapon systems due to normal operational failures or due to combat damage. This GPETE is essential to the operational readiness of the Marine Corps for the installation, operation, and maintenance (preventive and routine) of electronic weapon systems and equipment in both the USMC operating forces (Div/Wing/FSSG) as well as the supporting establishment (Schools/Bases). (RCN: 045887)</p> <p>This is a roll-up line that consists of many different items and separate acquisitions.</p> <p>All of these items are required to support other Marine Corps systems already fielded or in the acquisition pipeline.</p>													

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020			P-1 Line Item Nomenclature: GENERAL PURPOSE ELECTRONIC TEST EQUIP (P44588)			Weapon System Type:		Date: September 1997			
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/USM-646 TEST STATION	A				84	10	8380						
AN/USM-646 SEMI-CONDUCTOR TEST	A				88	10	8810						
MAINTENANCE KIT MK-2663	A				376	75	5008						
GROUND TESTER (CLAMP-ON)	A							89	50	1775			
GROUND TESTER	A							149	50	2977			
FUNCTION GENERATOR	A				644	280	2300	588	250	2351	601	250	2403
POWER METER (PULSE)	A				307	30	10220						
POWER METER (CW)	A				288	120	2402	74	30	2455			
ADAPTER, OPTICAL	A				62	20	3100						
PROTOCOL ANALYZER (LAN)	A				594	30	19800	607	30	20236	827	40	20681
SIGNAL GENERATOR (RF)	A							536	50	10716			
PROTOCOL ANALYZER (TEL)	A				442	20	22100	452	20	22586	692	30	23083
HANDHELD BIT ERROR RATE TESTER (BERT)	A				300	100	3000	307	100	3066	313	100	3133
SIGNAL GENERATOR (MW)	A				1800	100	18000						
TEST ADAPTER, RADIO	A				2504	350	7154						
TEST SET, TELCOM	A										320	25	12804
FREQUENCY COUNTER (CW)	A				131	30	4350	133	30	4446	136	30	4544
ANALYZER, SPECTRUM (RF)	A							200	25	8000	204	25	8176
OSCILLOSCOPE	A							2256	250	9025	2280	250	9119
SUBTOTAL					7619			5390			5374		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020			P-1 Line Item Nomenclature: GENERAL PURPOSE ELECTRONIC TEST EQUIP (P44588)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ADAPTER, CONNECTOR	A							135	50	2700	138	50	2759
BATTERY TESTER	A							1238	250	4950	2505	500	5010
ANALYZER POWER (HANDHELD)	A							116	50	2325	119	50	2374
TEST SET, RADIO	A				145	10	14500	297	20	14833	455	30	15160
ANALYZER, TMDE SYSTEM (RF)	A							728	17	42850			
AMPLIFIER (RF)	A							497	17	29250			
MULTIMETER	A										97	50	1945
SOFTWARE SUPPORT Operating Software TPS/Gold Disks					300			293			289		
LOGISTICS SUPPORT Training Material Factory Training Tech Manuals Provisioning Data Acceptance Testing					481			448			436		
TOTAL					8545			9142			9413		

Exhibit P-5a, Budget Procurement History and Planning									Date:	
									September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020				Weapon System Type:		P-1 Line Item Nomenclature: GENERAL PURPOSE ELECTRONIC TEST EQUIP(P44588)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AN/USM-646 TEST STATION FY 97	VARIOUS	Proj Ord	Navy (NAVICP)	Jan-97	Apr-97	VAR	VAR	Yes	N/A	N/A
AN/USM-646 SEMI-CONDUCTOR TEST FY 97	Huntron, Seattle, WA	MILSTRIP	Navy (NAVICP)	Jan-97	Apr-97	10	8380	Yes	N/A N/A	N/A N/A
MAINTENANCE KIT MK-2663 FY 97	Pace, Inc., Laurel, MD	Proj Ord	Navy (NSWC)	Feb-97	May-97	VAR	VAR	Yes	N/A	N/A
GROUND TESTER (CLAMP-ON) FY 98	AEMC, Boston, MA	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A
GROUND TESTER FY 98	PPM Inc, Cleveland, OH	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A
FUNCTION GENERATOR FY 97	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Jan-97	Apr-97	120	2402	Yes	N/A	N/A
FY 98	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-98	Apr-98	30	2455	Yes	N/A	N/A
FY 99	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-99	Apr-99	VAR	VAR	Yes	N/A	N/A
POWER METER (PULSE) FY 97	Giga-Tronics, San Ramon, CA	MILSTRIP	Navy (NAVICP)	Jan-97	May-97	20	3100	Yes	N/A	N/A
POWER METER (CW) FY 97	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-97	May-97	30	19800	Yes	N/A	N/A
FY 98	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	30	20236	Yes	N/A	N/A
REMARKS:										

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020				Weapon System Type:		P-1 Line Item Nomenclature: GENERAL PURPOSE TEST EQUIP (P44588)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
ADAPTER, OPTICAL FY 97	ISG, Vienna, VA	C/FP	USMC	Jul-97	Jul-97	VAR	VAR	Yes	N/A	N/A	
PROTOCOL ANALYZER (LAN) FY 97	Fluke, Everett, WA	C/FP	Navy (NAVICP)	Mar-97	Sep-97	VAR	VAR	Yes	N/A	N/A	
FY 98	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A	
FY 99	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A	
SIGNAL GENERATOR (RF) FY 98	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Jan-98	Apr-98	50	2977	Yes	N/A	N/A	
PROTOCOL ANALYZER (TEL) FY 97	W&G, Triange Park, NC	C/FP	Navy (NAVICP)	Aug-97	Dec-97	VAR	VAR	Yes	N/A	N/A	
FY 98	W&G, Triange Park, NC	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A	
FY 99	W&G, Triange Park, NC	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A	
HANDHELD BIT ERROR RATE TESTER (BERT) FY 97	IDS, Lincoln, RI	C/FP	USMC	Jan-97	Jul-97	VAR	VAR	Yes	N/A	N/A	
FY 98	IDS, Lincoln, RI	MILSTRIP	USMC	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A	
FY 99	IDS, Lincoln, RI	MILSTRIP	USMC	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A	
SIGNAL GENERATOR (MW) FY 97	Wiltron, Morgan Hill, CA	C/FP	USMC	Jan-97	Apr-97	VAR	VAR	Yes	N/A	N/A	
TEST ADAPTER, RADIO FY 97	IFR Inc., Wichita, KS	C/FP	Army (CECOM)	Apr-97	Jul-97	30	4350	Yes	N/A	N/A	
REMARKS:											

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020				Weapon System Type:			P-1 Line Item Nomenclature: GENERAL PURPOSE ELECTRONIC TEST EQUIP(P44588)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
TEST SET, TELCOM FY 99	TTC, Germantown, MD	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	25	8176	Yes	N/A	N/A	
FREQUENCY COUNTER (CW) FY 97	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Jan-97	May-97	VAR	VAR	Yes	N/A	N/A	
FY 98	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	50	10716	Yes	N/A	N/A	
FY 99	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A	
ANALYZER, SPECTRUM (RF) FY 98	TBD	C/FP	TBD	Jan-98	Jun-98	25	8000	Yes	N/A	N/A	
FY 99	TBD	C/FP	TBD	Jan-99	Jun-99	25	8176	Yes	N/A	N/A	
OSCILLOSCOPE FY 98	TBD	C/FP	TBD	Jan-98	Jun-98	250	9025	Yes	N/A	N/A	
FY 99	TBD	C/FP	TBD	Jan-99	Apr-99	250	9119	Yes	N/A	N/A	
ADAPTER, CONNECTOR FY 98	TBD	C/FP	TBD	Jan-98	Jul-98	50	2700	Yes	N/A	N/A	
FY 99	TBD	C/FP	TBD	Jan-99	May-99	50	2759	Yes	N/A	N/A	
BATTERY TESTER FY 98	TBD	C/FP	TBD	Jan-98	Jul-98	250	4950	Yes	N/A	N/A	
FY 99	TBD	C/FP	TBD	Jan-99	May-99	500	5010	Yes	N/A	N/A	
REMARKS:											

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020				Weapon System Type:			P-1 Line Item Nomenclature: GENERAL PURPOSE ELECTRONIC TEST EQUIP(P44588)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
ANALYZER POWER (HANDHELD)											
FY 98	TBD	C/FP	Navy (NAVICP)	Jan-98	May-98	50	2325	Yes	N/A	N/A	
FY 99	TBD	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	50	2374	Yes	N/A	N/A	
TEST SET, RADIO											
FY 97	Marconi, Herts, England	C/FP	Navy (NAVICP)	Jan-97	Jun-97	10	14500	Yes	N/A	N/A	
FY 98	Marconi, Herts, England	C/FP	Navy (NAVICP)	Jan-98	Jun-98	20	14833	Yes	N/A	N/A	
FY 99	Marconi, Herts, England	C/FP	Navy (NAVICP)	Jan-99	Jun-99	30	15160	Yes	N/A	N/A	
ANALYZER, TMDE SYSTEM (RF)											
FY 98	TBD	C/FP	TBD	Jan-98	Jun-98	17	42850	Yes	N/A	N/A	
AMPLIFIER (RF)											
FY 98	TBD	C/FP	TBD	Jan-98	Jul-98	VAR	VAR	Yes	N/A	N/A	
MULTIMETER											
FY 99	TBD	C/FP	TBD	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A	
REMARKS:											

[illegible]

[illegible]

[illegible]

Exhibit P-21, Production Schedule

Exhibit P-40, Budget Item Justification Sheet

Date:

September 1997

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 028

P-1 Item Nomenclature:

AN/TPQ-36 FIREFINDER RADAR UPGRADES (P44007)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				22								22
Gross Cost				34.0	0.2	0.2					N / A	34.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				34.0	0.2	0.2					N / A	34.4
Initial Spares						1.9						1.9
Total Proc Cost				34.0	0.2	2.1					N / A	36.3
Flyaway U/C												
Wpn Sys Proc U/C												

The AN/TPQ-36 firefinder radar is used to locate hostile indirect fire weapons engaging friendly forces. After location, coordinates are passed to friendly fire support assets to engage the enemy. The AN/TPQ-36 was first fielded to the Marine Corps in 1985. The first of these block upgrades, (V)7, will result in reduction in size from five ton trucks to HMMWVs, improving battlefield mobility and strategic transportability. A subsequent upgrade, (V)8, will incorporate a new shelter with a much more capable electronics suite, improving range, throughput and communications. The results of both of these modification programs will be a highly mobile and greatly enhanced target acquisition capability. Approved Acquisition Objective of 22 each of these mods has been procured in FY97.

[illegible]

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 028			P-1 Line Item Nomenclature: AN/TPQ-36 FIREFINDER RADAR UPGRADES (P44007)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/TPQ-36 (V)7 (DOWNSIZE)	A				10036	22	456182						
AN/TPQ-36 (V)8 (ELEC ENHANCEMENT)	A				24004	22	1091091						
ILS								172			158		
TOTAL					34040			172			158		
Active:					(26304)								
Reserve:					(7736)								

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 028				Weapon System Type:		P-1 Line Item Nomenclature: AN/TPQ-36 FIREFINDER RADAR UPGRADES (P44007)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AN/TPQ-36 (V)7 (DOWNSIZE) FY 97	MCLB BARSTOW	WR	MCLB BARSTOW	Dec-96	Oct-97	22	456182	Y	NOW	
AN/TPQ-36 (V)8 (ELEC ENHANCEMENT) FY 97	NORTHROP-GRUMMAN CORP BETHPAGE, LONG ISLAND, NY	C-FFP	CECOM	Feb-97	Jun-98	22	1091091	Y	NOW	
REMARKS:										

INDIVIDUAL MODIFICATION																Date		September 1997			
MODIFICATION TITLE: AN/TPQ-36(V)7																					
MODELS OF SYSTEMS AFFECTED: AN/TPQ-36 FIREFINDER RADAR																					
DESCRIPTION / JUSTIFICATION: THIS UPGRADE PROVIDES FOR A DOWNSIZING OF THE CURRENT SYSTEM FROM FIVE TON TRUCKS TO HMMWVS TO IMPROVE BATTLEFIELD MOBILITY AND STRATEGIC TRANSPORTABILITY.																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: USMC PROCURMENT DECISION 1ST QTR FY97																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs		8				7		7													
Outputs						8		7			7										
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																			22		
Outputs																			22		
METHOD OF IMPLEMENTATION:		DEPOT MOD LINE				ADMINISTRATIVE LEADTIME:				2		Months		PRODUCTION LEADTIME:				10		Months	
Contract Dates:		FY 1997				Dec 96				FY 1998				FY 1999							
Delivery Date:		FY 1997				Oct 97				FY 1998				FY 1999							

INDIVIDUAL MODIFICATION																	Date		September 1997	
MODIFICATION TITLE (Cont): AN/TPQ-36(V)7 MOD 1																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E		00.028		00.084																00.112
PROCUREMENT																				
Kit Quantity			22																22	
Inst Kits, Nonrecurring				10.036																10.036
Equipment, Nonrecurring																				
ECO																				
Other					0.086		0.079													0.165
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits																				
FY 1998 Eqpt -- Kits																				
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits																				
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost				10.036		0.086		0.079												10.201

INDIVIDUAL MODIFICATION																Date	September 1997				
MODIFICATION TITLE: AN/TPQ-36(V)8																					
MODELS OF SYSTEMS AFFECTED: AN/TPQ-36 FIREFINDER RADAR																					
DESCRIPTION / JUSTIFICATION: THIS UPGRADE PROVIDES A NEW CREW SHELTER WITH AN IMPROVED RADAR PROCESSOR AND SOFTWARE. THIS ENHANCES THE RADAR'S CAPABILITIES BY INCREASING ITS RANGE AND LOCATION ACCURACY. A SELF LOCATING CAPABILITY IS ALSO PROVIDED WITH THE ADDITION OF THE MODULAR AZIMUTH POSITIONING SYSTEM. THIS WILL GREATLY IMPROVE POSITION OCCUPATION TIME. CREW SURVIVABILITY IS ALSO BETTER DUE TO THIS SYSTEM'S ABILITY TO REMOTE. THESE IMPROVEMENTS OVERCOME DEFICIENCIES IDENTIFIED DURING OPERATION DESERT STORM.																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: ARMY (JOINT LEAD) MS III 4TH QTR FY 96 USMC PROCUREMENT DECISION 2ND QTR FY 97																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs							1	2	9	10											
Outputs								1	2	9	10										
	FY 2002				FY 2003				FY 2004				FY 2005				To	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete				
Inputs																		22			
Outputs																		22			
METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: 4 Months PRODUCTION LEADTIME: 16 Months Contract Dates: FY 1997 Feb 97 FY 1998 FY 1999 Delivery Date: FY 1997 FY 1998 Jun 98 FY 1999																					

INDIVIDUAL MODIFICATION																	Date		September 1997	
MODIFICATION TITLE (Cont): AN/TPQ-36(V)8 MOD 2																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E		00.028		00.062																00.090
PROCUREMENT																				
Kit Quantity			22																22	
Inst Kits, Nonrecurring				24.004																24.004
Equipment, Nonrecurring																				
ECO																				
Other						0.086		0.079												0.165
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits																				
FY 1998 Eqpt -- Kits																				
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits																				
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost				24.004		0.086		0.079												24.169

[illegible]

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
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AN/TPQ-36 FIREFINDER RADAR UPGRADES (P44007)

Date: September 1997

September 1997

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029						P-1 Item Nomenclature: INTELLIGENCE SUPPORT EQUIPMENT (P44257)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	71.5			31.5	16.4	10.6						129.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	71.5			31.5	16.4	10.6	0.0					129.9
Initial Spares	2.5			4.1	6.9	10.1	1.9					25.4
Total Proc Cost	74.0			35.5	23.3	20.6	1.9					155.4
Flyaway U/C												
Wpn Sys Proc U/C												
<p>This is a composite line of the intelligence equipment which includes:</p> <ul style="list-style-type: none"> Secondary Imagery Dissemination System (SIDS) Tactical Remote Sensor Set (TRSS) Team Portable Communication System (TPCS) Trojan Spirit II Intelligence Analysis System (TCAC) Intelligence Analysis System (IAS) (MEF) Commanders Tactical Terminal (CTT) Radio Reconnaissance Equipment Program (RREP) Joint Surveillance Target Attack Radar System (JSTARS) 												

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date: September 1997				
Appropriation / Budget Activity Procurement, Marine Corps (1109) / Communications and Electronic Equipment								P-1 Item Nomenclature: INTELLIGENCE SUPPORT EQUIPMENT (P44257)						
Procurement Items	Code	UOM	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
SECONDARY IMAGE DISSEMINATION SYS		D	2.0			6.9	3.4	0.0	0.0	0.0	0.0	0.0		12.2
		Q												0
TACTICAL REMOTE SENSOR		D	17.1			0.0	0.0	0.0	0.0	0.0	0.0	0.0		17.1
		Q												0
TEAM PORT COMM SYS (TPCS - UPGRADE)		D	14.5			3.4	0.0	0.0	0.0	0.0	0.0	0.0		17.9
		Q												0
TROJAN SPIRIT II		D	7.9			0.0	0.0	0.0	0.0	0.0	0.0	0.0		7.9
		Q												0
INTELLIGENCE ANALYSIS SYSTEM (TCAC)		D	0.0			10.7	0.0	0.0	0.0	0.0	0.0	0.0		10.7
		Q												0
INTELLIGENCE ANALYSIS SYSTEM (MEF)		D	1.0			6.9	10.3	10.6	0.0	0.0	0.0	0.0		28.7
		Q												0
COMMANDERS TACTICAL TERMINAL		D	12.3			1.0	2.8	0.0	0.0	0.0	0.0	0.0		16.0
		Q												0
RADIO RECONNAISSANCE EQUIP PROGRAM		D	0.0			2.7	0.0	0.0	0.0	0.0	0.0	0.0		2.7
		Q												0
JSTARS		D	16.6			0.0	0.0	0.0	0.0	0.0	0.0	0.0		16.6
		Q												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029			P-1 Line Item Nomenclature: INTELLIGENCE SUPPORT EQUIPMENT (P44257)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost \$000	Qty Each	UnitCost \$000	TotalCost \$000	Qty Each	UnitCost \$000	TotalCost \$000	Qty Each	UnitCost \$000
SECONDARY IMAGE DISSEMINATION SYS					6855			3371					
TACTICAL REMOTE SENSOR													
TEAM PORT COMM SYS (TPCS - UPGRADE)					3371								
TROJAN SPIRIT II													
INTELLIGENCE ANALYSIS SYSTEM (TCAC)					10707								
INTELLIGENCE ANALYSIS SYSTEM (MEF)					6880			10289			10558		
COMMANDERS TACTICAL TERMINAL					958			2753					
RADIO RECONNAISSANCE EQUIP					2700								
JSTARS													
Totals					31471			16413			10558		
Active					(31471)			(13199)			(9570)		
Reserve					(0)			(3214)			(988)		

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029						P-1 Item Nomenclature: SECONDARY IMAGERY DISSEMINATION SYSTEM (A44072)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	10			41	20							71
Gross Cost	2.0			6.9	3.4							12.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	2.0			6.9	3.4							12.2
Initial Spares					0.5							0.5
Total Proc Cost	2.0			6.9	3.8							12.7
Flyaway U/C												
Wpn Sys Proc U/C	0.199			0.167	0.169							
<p>Manpack Secondary Imagery Dissemination System (SIDS) provides the MAGTF commander with the capability to collect, store, display, and transmit high priority reconnaissance imagery over organic MAGTF communciations assets in near real time. This will give the MAGTF commander access to time sensitive reconnaissance imagery. The system will be fielded to ground reconnaissance units within the MAGTF.</p> <p>The SIDS system consists of a base station and 3 out stations. Previous submissions accounted for individual components. Consequently, the unit cost of the system is significantly larger than the unit cost of the individual components.</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029			P-1 Line Item Nomenclature: SECONDARY IMAGERY DISSEMINATION SYSTEM (A44072)			Weapon System Type:			Date: September 1997			
Weapon Svstem Cost Elements		ID				FY 97			FY 98			FY 99		
		CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
						\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Manpack SIDS		A				6286	41	153317	3086	20	154300			
FACTORY TRAINING						245			123					
TAD						50			25					
Contractor Support						274			137					
Total Cost						6855			3371					
Active						(6855)			(3214)					
Reserve						(0)			(157)					

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Weapon System Type:			P-1 Line Item Nomenclature: SECONDARY IMAGERY DISSEMINATION SYSTEM (A44072)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
FY 97 Manpack SIDS	Integration of System, Crane,IN	FFP/O	Crane,IN	Oct-97	Nov-97	41	153317	Yes	No	N/A	
FY 98 Manpack SIDS	Integration of System, Crane,IN	FFP/O	Crane,IN	Nov-97	Dec-97	20	154300	Yes	No	N/A	
REMARKS:											

Exhibit P-20, Requirements Study			Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Date: September 1997		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): INTELLIGENCE SUPPORT EQUIPMENT (A44072)			Admin Leadtime (after Oct 1): 4 Months				Prod Leadtime: 1 Months		
Secondary Imagery Dissemination System (A44072)			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			41	20					
Unit Cost			167.2	168.6					
Total Cost			6855.0	3371.0					
Asset Dynamics									
Beginning Asset Position			10	10	71	71	71	71	71
Deliveries from: FY 1997 Funding				41					
Deliveries from: FY 1998 Funding				20					
Deliveries from: FY 1999 Funding									
Deliveries from Subsequent Years Funds									
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions									
End of Year Asset Position			10	71	71	71	71	71	71
Inventory Objective or Current Authorized Allowance									
Inventory Objective 73		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	
Assets Rqd for Combat Loads:	73	96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998	Aircraft: TOAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999	PAA: TAI
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment	Attrition Res
Other:		FY XXXX		FY XXXX		FY XXXX			BAI
Total:	73								Inactive Inv
									Storage
Remarks:									

[illegible]

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029						P-1 Item Nomenclature: TEAM PORT COMM SYS (TPCS - UPGRADE) (A44522)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	9			2								11
Gross Cost	14.6			3.4								24
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	14.6			3.4	0.0							24
Initial Spares					1.6							1.6
Total Proc Cost	14.6			3.4	1.6							25
Flyaway U/C												
Wpn Sys Proc U/C	1.622			1.686								
<p>Team Portable Communications Intelligence (COMINT) System (TPCS) is a semi-automated, man packable / team transportable signals intelligence system providing intercept, radio direction finding, analysis, reporting and collection management support to the Marine Air Ground Task Force Commander. TPCS is comprised of non-developmental items (NDI) and considered low risk.</p> <p>The AN/PSQ-9 will replace the AN/PRD-10 and the AN/GRR-8 as well as add new capability.</p> <p>TPCS UPGRADE BEGINNING FY99 IN MOD KITS (INTEL) BLI NO. 474900</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029			P-1 Line Item Nomenclature: TEAM PORT COMM SYS (TPCS - UPGRADE) (A44522)			Weapon System Type:			Date: September 97			
Weapon Svstem Cost Elements		ID				FY 97			FY 98			FY 99		
		CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
						\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Team Portable COMINT System, AN/PSQ-9		A					2							
Direction Finding Units						1024	8	128000						
WJ-9605 Front Panel Unit						84	16	5250						
WJ-8654-4 Intercept Rcvr						541	32	16906						
TCIM						58	14	4143						
TOPHUNTER System						1140	2	570000						
Factory Training						124								
Integ. Logistic Support						265								
Travel						25								
Contractor Support						110								
Total Cost						3371								

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Weapon System Type:			P-1 Line Item Nomenclature: TEAM PORT COMM SYS (TPCS - UPGRADE) (A44522)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
FY 97 WJ9605 Front Panel Unit	Watkins-Jonson Gaithersburg, MD	O/IDIQ	NSA	Jun-97	Aug-97	16	5250	Yes	No	N/A	
Intercept Rec	Watkins-Jonson Gaithersburg, MD	O/IDIQ	NSA	Jun-97	Sep-97	32	16906	Yes	No	N/A	
TCIMS	SAIC San Diego, CA	O/IDIQ	CECOM	May-97	Dec-97	14	4143	Yes	No	N/A	
DF Units	Watkins-Jonson Gaithersburg, MD	O/IDIQ	NSA	Dec-97	May-98	8	128000	Yes	No	N/A	
Tophunter System Unit	Harris Corp Melbourne, FL	C/FPI/O	NSA	Jul-97	Apr-98	2	570000	Yes	No	N/A	
REMARKS: NSA - National Security Agency, Ft. Meade, MD											

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Date: September 97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): INTELLIGENCE SUPPORT EQUIPMENT (A44522)				Admin Leadtime (after Oct 1): 10 Months				Prod Leadtime: 9 Months		
Team Portable Comm Intel Sys (A44522)				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				2						
Unit Cost				1685.5						
Total Cost				3371.0						
Asset Dynamics										
Beginning Asset Position				3	9	11				
Deliveries from: FY 1997 Funding					2					
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains				6						
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				9	11	11				
Inventory Objective or Current Authorized Allowance										
Inventory Objective 11		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

[illegible]

Exhibit P-21, Production Schedule

[illegible]

Exhibit P-21, Production Schedule

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029						P-1 Item Nomenclature: INTELLIGENCE ANALYSIS SYSTEM (TCAC) (A44050)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				4								4
Gross Cost				10.7								10.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				10.7	0.0	0.0						10.7
Initial Spares					0.2	1.4						1.6
Total Proc Cost				10.7	0.2	1.4						12.3
Flyaway U/C												
Wpn Sys Proc U/C				2.677								
<p>NARRATIVE: The MEF IAS Technical Control Analysis Center (TCAC) Product Improvement Program (PIP) is a High Mobility Multi-Wheeled Vehicle based semi-automated Signals Intelligence (SIGINT) fusion center which supports the intelligence requirements of the Marine Air-Ground Task Force Commander. The "product improvement" significantly decreases the physical dimensions of the current system, increases maneuverability/deployment options and provides an enhanced set of Intelligence Analyst software applications which facilitate semi-automated SIGINT processing, analysis and reporting by the Fleet Marine Force Radio Battalions.</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029			P-1 Line Item Nomenclature: INTELLIGENCE ANALYSIS SYSTEM (TCAC) (A44050)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
IAS (TCAC) System						4							
ADP SERVER SET					480	8	60000						
WORKSTATIONS					1600	40	40000						
COMPUTER PERIPHERALS					232	4	58000						
SUPPORT ITEMS (TENT, ECU)					812	4	203000						
INSTALLATION & ASSEMBLY					3000	4	750000						
ECP IMPLEMENTATION					639	4	159750						
COMMUNICATIONS EQUIPMENT					882	4	220500						
LRIP RETROFIT					170	1	170000						
PROJECT MGMT					158								
TECHNICAL DATA					161								
TRAINING/TRAINING SUPPORT					243								
CM DATABASE STATUS ACCTING					197								
SOFTWARE & LICENSES					329								
ENGINEERING SUPPORT					1804								
TOTAL					10707								

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Weapon System Type:			P-1 Line Item Nomenclature: INTELLIGENCE ANALYSIS SYSTEM (TCAC) (A44050)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
Fiscal Year 97 MEF IAS (TCAC PIP)	Vitro Corp. Oxnard, CA	C/FP	ESC, Hancorn, AFB, MA	Apr-97	Jul-98	4	2740000	Yes	No		
REMARKS:											

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	

P-1 Item Nomenclature: INTELLIGENCE ANALYSIS SYSTEM (TCAC) (A44050)

Date: September 1997

September 1997

[illegible]

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029						P-1 Item Nomenclature: INTELLIGENCE ANALYSIS SYSTEM (MEF) (A44104)						
Program Elements for Code B Items: 26313M C2270				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	1.0			6.9	10.3	10.6						28.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1.0			6.9	10.3	10.6	0.0					28.7
Initial Spares	2.5			0.5	0.1	1.1	1.9					6.0
Total Proc Cost	3.4			7.4	10.3	11.6	1.9					34.7
Flyaway U/C												
Wpn Sys Proc U/C												

NARRATIVE: The Intelligence Analysis System (IAS) will provide finished intelligence data to the commander in near-real-time, allowing him to act on intelligence, rather than react to events. The IAS consists of three subsystems: IAS (Suites), IAS (MEF), and IAS (Workstations). The IAS will utilize the Modernized Integrated Database (MIDB) developed by DIA, and will utilize commercial and government developed software.

MEF IAS consists of two HMMWV-mounted shelters per system. Each shelter contains a ruggedized file server, communications server, communications interfaces (modems, crypto) and peripherals (CD ROM, tape drives, hard disk drives, plotter, dot matrix and laser printers). The servers will be connected to up to six desktop workstations on a Local Area Network (LAN).

IAS Workstations consist of one laptop or suitcase style computer (configured as a server) with a printer.

MEF IAS APPROVAL FOR SERVICE USE (FY 96): CODE A
IAS WORKSTATION APPROVAL FOR SERVICE USE: CODE B

DT-Apr 98
IOT&E-Dec 98
Technical Data Packages-May 98

MSIII-Mar 99
Test Results-None to Date

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029			P-1 Line Item Nomenclature: INTELLIGENCE ANALYSIS SYSTEM (MEF) (A44104)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MEF IAS SYSTEMS	A					7							
Servers, Peripherals					3011	14	215071						
Workstations, Desktop					1406	56	25107						
Cables and Connectors					350								
Racks					126								
System Integration					751			4544					
Engineering Support					576			2584					
Integ Logistics Support					660			2107					
IAS WORKSTATION (Battalion/Squadron	B												
Workstation (Laptop or Suitcase)								518	11	47091	7211	150	48073
Printer/Peripherals								173	11	15727	2405	150	16033
System Integration								117			150		
Engineering Support								125			371		
Integ Logistics Support								121			421		
TOTAL					6880			10289			10558		
Active					(6880)			(10289)			(9570)		
Reserve					(0)			(0)			(988)		

Exhibit P-5a, Budget Procurement History and Planning								Date: September 1997		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029		Weapon System Type:			P-1 Line Item Nomenclature: INTELLIGENCE ANALYSIS SYSTEM (MEF) (A44104)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 97 Servers Peripherals	Vitro Corp., Oxnard, Ca.	C/CPFP	ESC Hanscom AFB, Ma.	Apr-97	May-97	14	215071	YES		
Workstations (Desktop for MEF IAS)		C/CPFP		Apr-97	May-97	56	25107	YES		
FY98 IAS Workstations (Battalion/Squadron)	TBD	TBD		Oct-97	Apr-98	11	47091	NO		
Printer/peripherals	TBD	TBD		Oct-97	Apr-98	11	15727	NO		
FY99 Workstations (Battalion/Squadron Laptop or Suitcase)	TBD	TBD		Oct-98	Apr-99	150	48073	NO		
Printer/peripherals	TBD	TBD		Oct-98	Apr-99	150	16033	NO		
REMARKS:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Date: September 1997			
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): INTELLIGENCE SUPPORT EQUIPMENT (A44104)						Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 4 Months	
IAS MEF				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary				7							
Unit Cost				982.9							
Total Cost				6880.0							
Asset Dynamics											
Beginning Asset Position				2	9	9					
Deliveries from: FY 1997 Funding				7							
Deliveries from: FY 1998 Funding											
Deliveries from: FY 1999 Funding											
Deliveries from Subsequent Years Funds											
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retirements/Attritions											
End of Year Asset Position				9	9	9					
Inventory Objective or Current Authorized Allowance											
Inventory Objective 9		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI	
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

Exhibit P-40, Budget Item Justification Sheet

Date:

September 1997

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029

P-1 Item Nomenclature:

COMMANDERS' AND JOINT TACTICAL TERMINAL (CTT AND JTT)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	34			4	8							46
Gross Cost	12.3			1.0	2.8							16.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	12.3			1.0	2.8	0.0						16.0
Initial Spares					2.7	4.0						6.7
Total Proc Cost	12.3			1.0	5.5	4.0						22.7
Flyaway U/C												
Wpn Sys Proc U/C	0.362			0.240	0.344							

The Intelligence Broadcast Receiver (IBR) program consists of two systems; the AN/USC-55A, Tactical Command System, commonly referred to as the Commander's Tactical Terminal Three-Channel (CTT3), and the Joint Tactical Terminal (JTT). In Oct 95 the Integrated Broadcast Service (IBS) plan was approved. The AN/USC-55A will migrate to the JTT with the use of the Common Intergrated Broadcast Service-Modules (CIBS-M). These IBR's receive, decrypt, and process near-real-time (NRT) intelligence reports simultaneously from multiple sources. They will provide NRT intelligence data to the command, control, and intelligence (C2I) elements of the Marine Air-Ground Task Force (MAGTF). In addition, the IBR's provide full duplex data and handles communications with an anti-jam capability between the GUARDRAIL intelligence processing facility and tactical units. The IBR's are being procured by the U.S. Army (PM HTT/CIBS-M) via a contract with Raytheon E-Systems for the CTT3, and the contract for the JTT is still under protest. The IBR's provide the Marine Corps with a multi-service intelligence dissemination interoperability into the next century, meeting criteria by the multi-service intelligence dissemination architecture panel.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				P-1 Line Item Nomenclature: COMMANDERS TACTICAL TERMINAL (A44073)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements		ID				FY 97			FY 98			FY 99		
		CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
						\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CTT 3 Commanders' Tactical Terminal Three- Channel (CTT3)		A												
Ancillary Equipment Support Costs														
CTT3 Commanders' Tactical Terminal Three Channel (CTT3)		A				958	4	239500						
Ancillary Equipment Support Costs														
Joint Tactical Terminal (JTT)									2240	8	280000			
Ancillary Equipment									513					
Total Cost						958			2753					

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Weapon System Type:			P-1 Line Item Nomenclature: COMMANDERS TACTICAL TERMINAL (A44073)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
FY97 Commanders' Tactical Terminal (CTT3)	Raytheon E-Systems, ECI Division, St Petersburg, FL	FFP	USA CECOM	Aug-97	May-98	4	239500	Yes	No	N/A	
FY98 Joint Tactical Terminal (JTT)	TBD	FFP	USA CECOM	Nov-97	Mar-99	8	280000	Yes	No	N/A	
REMARKS:											

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Date: September 1997		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): INTELLIGENCE SUPPORT EQUIPMENT (A44073)				Admin Leadtime (after Oct 1): 10 Months				Prod Leadtime: 9 Months		
Commander's and Joint Tactical Terminal (CTT3 & JTT)				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				4	8					
Unit Cost				239.5	344.125					
Total Cost				958	2753					
Asset Dynamics										
Beginning Asset Position				1	7	39				
Deliveries from: FY 1997 Funding					4	0				
Deliveries from: FY 1998 Funding						8				
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains				6	28					
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				7	39	47				
Inventory Objective or Current Authorized Allowance										
Inventory Objective 47		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:	0									Storage
Remarks: FY 95 CTT3 Prototype funded with R&D.										

FY 98 / 99 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: COMMANDERS TACTICAL TERMINAL (A44073) Date: September 1997																											
COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP. PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 96												Fiscal Year 97												L A T E R			
							Calendar Year 96												Calendar Year 97															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
CTT3	A	96	MC	26	0	26						A																		3	3	20		
CTT3	A	96	MC	8	0	8																								A		8		
CTT3	A	97	MC	4	0	4																								A		4		
																																0		
JTT	B	98	MC	8	0	8																										8		
CTT3	A	96	A	36	0	36						A																			3	4	29	
CTT3	A	97	A	71	0	71																								A		71		
																																0		
CTT3	A	96	N	15	0	15						A																			2	1	12	
CTT3	A	97	N	12	0	12																								A		12		
																																0		
CTT3	A	97	O	1	0	1																								A		1		
																																0		
																																0		
																																0		
																																0		
																																0		
																																0		
Total				181	0	181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	165		
																																0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
M F R	NAME / LOCATION			PRODUCTION RATES			REACHED D +	MFR Number				ADMIN LEAD TIME				MFR After 1 Oct.		TOTAL After 1 Oct.		REMARKS														
				MIN.	1-8-5	MAX.		A	INITIAL			Prior 1 Oct.		After 1 Oct.																				
A	Raytheon E-Systems, ECI Division			5	10	20	A	REORDER					5		17		22																	
	St Petersburg, FL							INITIAL									0																	
								REORDER									0																	
B	TBD							INITIAL									0																	
								REORDER									0																	
								INITIAL									0																	
								REORDER									0																	
								INITIAL									0																	
								REORDER									0																	

FY 98 / 99 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: COMMANDERS TACTICAL TERMINAL (A44073) Date: 35674																								
COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP. PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 98												Fiscal Year 99										L A T E R		
							Calendar Year 98												Calendar Year 99												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P
							3	3	1	5			8																	0	
CTT3	A	96	MC	26	6	20								4	4	0														0	
CTT3	A	97	MC	4	0	4								4	0															0	
																														0	
JTT	B	98	MC	8	0	8		A															4	4						0	
CTT3	A	96	A	36	7	29	3	5	2	2	5	10	2																	0	
CTT3	A	97	A	71	0	71								6	7	6	7	7	6	7	8	9	8	0						0	
																														0	
CTT3	A	96	N	15	3	12	1	4	4				3																	0	
CTT3	A	97	N	12	0	12								1	2	2	1	2	2	1	1	0								0	
																														0	
CTT3	A	97	O	1	0	1								1	0															0	
																														0	
																														0	
																														0	
																														0	
																														0	
TOTAL				181	16	165	7	12	7	7	5	10	13	16	13	8	8	9	8	8	9	9	8	4	4	0	0	0	0	0	0
																														0	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M F R	NAME / LOCATION			PRODUCTION RATES			REACHED D +	MFR Number			ADMIN LEAD TIME		MFR After 1 Oct.	TOTAL After 1 Oct.		REMARKS															
				MIN.	1-8-5	MAX.					Prior 1 Oct.	After 1 Oct.																			
A	Raytheon E-Systems, ECI Division			5	10	20		A	INITIAL			5		17	22																
	St Petersburg, FL							A	REORDER			10		9	19																
									INITIAL						0																
									REORDER						0																
B	TBD								INITIAL						0																
									REORDER						0																
									INITIAL						0																
									REORDER						0																
									INITIAL						0																
									REORDER						0																

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029						P-1 Item Nomenclature: RADIO RECONNAISSANCE EQUIP PROGRAM (A44435)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				18								18
Gross Cost				2.7								2.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				2.7								2.7
Initial Spares												
Total Proc Cost				2.7								2.7
Flyaway U/C												
Wpn Sys Proc U/C				0.150								
<p>Radio Reconnaissance Equipment Program (RREP) provides the Radio Reconnaissance Teams (RRTs) with a rugged, lightweight Signals Intelligence (Sigint) System capable of semi-automated signal search/cataloging, database storage, limited traffic analysis, integrated Global Positioning System (GPS) and digital audio recording, radio direction finding, and data base transfer.</p> <p>Approval for service use: FY 97 = Code A</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029			P-1 Line Item Nomenclature: RADIO RECONNAISSANCE EQUIP PROGRAM (A44435)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
RREP-SS-1	A				2700	18	150000						
Total Cost					2700								

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Weapon System Type:			P-1 Line Item Nomenclature: RADIO RECONNAISSANCE EQUIP PROGRAM (A44435)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$0	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
FY 97 RREP	CMI Woodlawn Hills, CA	FFP/O	NAWC Pt Mugu,CA	Jun-97	May-98	18	150000	YES	NO	N/A	
REMARKS:											

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029				Date: September 1997		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): INTELLIGENCE SUPPORT EQUIPMENT (A44435)				Admin Leadtime (after Oct 1): 8 Months				Prod Leadtime: 11 Months		
Line Descriptions				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				18						
Unit Cost				150.0						
Total Cost				2700.0						
Asset Dynamics										
Beginning Asset Position										
Deliveries from: FY 1997 Funding					18					
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position					18					
Inventory Objective or Current Authorized Allowance										
Inventory Objective 18		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

[illegible]

Exhibit P-21, Production Schedule

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997																								
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 030						P-1 Item Nomenclature: MODIFICATION KITS (INTEL) (P44823)																										
Program Elements for Code B Items:				Code:	Other Related Program Elements:																											
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog																				
Proc Qty																																
Gross Cost	3.4			6.1	5.8	4.6	8.3	3.4	4.5	1.6	Cont	Cont																				
Less PY Adv Proc																																
Plus CY Adv Proc																																
Net Proc (P-1)	3.4			6.1	5.8	4.6	8.3	3.4	4.5	1.6	Cont	Cont																				
Initial Spares	0.7			0.2		2.1	0.8	0.4																								
Total Proc Cost	3.4			6.2	5.8	6.6	9.1	3.9	4.5	1.6	Cont	Cont																				
Flyaway U/C																																
Wpn Sys Proc U/C																																
<p>Modifications under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded, or to increase operational capabilities of end items previously fielded. The funding profile supports modifications to the following intelligence systems. All items are Code A.</p> <p>Intelligence Analysis System MOD Tactical Remote Sensor System (TRSS) Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES), AN/TSQ-90 Team Portable COMINT System (TPCS)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">MOD</th> <th style="width: 25%;">INSTALLING AGENT</th> <th style="width: 25%;">INSTALLATION</th> <th style="width: 35%;">END ITEM</th> </tr> </thead> <tbody> <tr> <td>IAS MOD MEMORY DATA STORAGE</td> <td>FIELD/NSWC, CRANE, IN</td> <td>BEGIN: OCT 96 END: DEC 03</td> <td>IAS MOD</td> </tr> <tr> <td>TRSS</td> <td>NAWC-ADI, INDY, IN</td> <td>BEGIN: DEC 96</td> <td>TRSS MOD</td> </tr> <tr> <td>TERPES</td> <td>NAWC WPNS, PT MUGU, CA</td> <td>BEGIN: JAN 98 END: MAR 03</td> <td>AN/TSQ-90</td> </tr> <tr> <td>TPCS-UPGRADE PHASE II</td> <td>NATIONAL SECURITY AGENCY FT MEADE, MD</td> <td>BEGIN: JUN 99 END: MAR 02</td> <td>TPCS UPGRADE</td> </tr> </tbody> </table>													MOD	INSTALLING AGENT	INSTALLATION	END ITEM	IAS MOD MEMORY DATA STORAGE	FIELD/NSWC, CRANE, IN	BEGIN: OCT 96 END: DEC 03	IAS MOD	TRSS	NAWC-ADI, INDY, IN	BEGIN: DEC 96	TRSS MOD	TERPES	NAWC WPNS, PT MUGU, CA	BEGIN: JAN 98 END: MAR 03	AN/TSQ-90	TPCS-UPGRADE PHASE II	NATIONAL SECURITY AGENCY FT MEADE, MD	BEGIN: JUN 99 END: MAR 02	TPCS UPGRADE
MOD	INSTALLING AGENT	INSTALLATION	END ITEM																													
IAS MOD MEMORY DATA STORAGE	FIELD/NSWC, CRANE, IN	BEGIN: OCT 96 END: DEC 03	IAS MOD																													
TRSS	NAWC-ADI, INDY, IN	BEGIN: DEC 96	TRSS MOD																													
TERPES	NAWC WPNS, PT MUGU, CA	BEGIN: JAN 98 END: MAR 03	AN/TSQ-90																													
TPCS-UPGRADE PHASE II	NATIONAL SECURITY AGENCY FT MEADE, MD	BEGIN: JUN 99 END: MAR 02	TPCS UPGRADE																													

[illegible]

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 030			P-1 Line Item Nomenclature: MODIFICATION KITS (INTEL) (P44823)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
INTELLIGENCE ANALYSIS SYSTEM MOD	A				4615	LOT	VAR	1406	LOT	VAR	1390	LOT	VAR
TRSS	A				317	LOT	VAR						
AN/TSQ-90 TERPES	A				1125	LOT	VAR	4418	5	883600			
TPCS	A										3191	11	290091
TOTAL		924			6057			5824			4581		

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 030				Weapon System Type:		P-1 Line Item Nomenclature: MODIFICATION KITS (INTEL) (P44823)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
INTELLIGENCE ANALYSIS SYSTEM MOD											
FY 97	HEWLETT PACKARD, CA	OPTION	MCSC/NWSC, MCTSSA	Jan-97	Mar-97	VAR	VAR	YES	NO	N/A	
FY 98	HEWLETT PACKARD, CA	OPTION	MCSC/NWSC, MCTSSA	Oct-97	Jan-98	VAR	VAR	YES	NO	N/A	
FY 99	HEWLETT PACKARD, CA	OPTION	MCSC/NWSC, MCTSSA	Oct-98	Jan-99	VAR	VAR	YES	NO	N/A	
TRSS											
FY 97	NAWC-ADI, INDY, IN	PO	NAWC-ADI INDY, IN	Dec-96	Sep-97	VAR	VAR	YES	NO	N/A	
AN/TSQ-90 TERPES											
FY 97	NAWC WEAPONS PT MUGU, CA	FFP	NAWC WPN PT MUGU, CA	Jul-97	Jan-98	VAR	VAR	YES	NO	N/A	
FY 98	NAWC WEAPONS PT MUGU, CA	FFP	NAWC WPN PT MUGU, CA	Mar-98	Sep-98	5	883600	YES	NO	N/A	
TPCS											
FY 99	ARGO SYSTEMS	FPI	NSA	Jan-99	Jun-99	11	290091	YES	NO	N/A	
REMARKS:											

INDIVIDUAL MODIFICATION																Date	September 1997				
MODIFICATION TITLE: Intelligence Analysis System (IAS)																					
MODELS OF SYSTEMS AFFECTED: IAS MODIFICATION																					
DESCRIPTION / JUSTIFICATION: The IAS automates and integrates the intelligence processing activities of the Marine Air Ground Task Forces (MAGTFs). The IAS fuses intelligence information from sensors, signals and communications intelligence, and human sources, and provides this intelligence to the commander and his staff. The IAS is required to interface with a number of tactical and national systems, and must be upgraded in order to maintain these capabilities and to continue functioning as new systems are developed.																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: MEF IAS MS III NOV 96 IAS SUITES MS III NOV 97																					
Installation Schedule:																					
Inputs	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	LOT	LOT				LOT				LOT				LOT				LOT			
Outputs	LOT	LOT				LOT				LOT				LOT				LOT			
	FY 2002				FY 2003				FY 2004				FY 2005				To	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete				
Inputs	LOT				LOT												LOT	LOT			
	LOT				LOT												LOT	LOT			
METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 2 Months Contract Dates: FY 1997 JAN 97 FY 1998 OCT 97 FY 1999 OCT 98 Delivery Date: FY 1997 MAR 97 FY 1998 JAN 98 FY 1999 JAN 99																					

INDIVIDUAL MODIFICATION																		Date		September 1997	
MODIFICATION TITLE (Cont): Intelligence Analysis System (IAS)																					
FINANCIAL PLAN: (\$ in Millions)																					
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity	LOT		LOT		LOT		LOT		LOT		LOT		LOT		LOT						
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring	1	0.903		4.595		0.792		0.760		0.724		0.754		0.831		0.856		Cont		Cont	
ECO																					
DATA		0.010		0.010		0.027		0.028		0.029		0.030		0.031		0.032					
Other						0.382		0.394		0.406		0.358		0.430		0.443					
INTERIM CONTRACTOR SPT						0.040		0.039		0.040		0.044		0.045		0.051					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits	LOT	0.011																			
FY 1997 Eqpt -- Kits			LOT	0.010																	
FY 1998 Eqpt -- Kits					LOT	0.165															
FY 1999 Eqpt -- Kits							LOT	0.169													
FY 2000 Eqpt -- kits									LOT	0.174											
FY 2001 Eqpt -- kits											LOT	0.150									
FY 2002 Eqpt -- kits													LOT	0.184							
FY 2003 Eqpt -- kits															LOT	0.190					
(FY(TC) Eqpt (xx kits)																					
Installment Cost		0.011		0.010		0.165		0.169		0.174		0.150		0.184		0.190		Cont		Cont	
Total Procurement Cost		0.924		4.615		1.406		1.390		1.373		1.336		1.521		1.572		Cont		Cont	

INDIVIDUAL MODIFICATION																Date		September 1997			
MODIFICATION TITLE: TRSS MOD (AIR DELIVERED SENSOR)																					
MODELS OF SYSTEMS AFFECTED: Tactical Remote Sensor System																					
DESCRIPTION / JUSTIFICATION: The TRSS Mod is an enhancement to the Phase III Air-delivered Seismic Intrusion Detector (ADSID) sensor that provides activation classification. Current air-delivered systems require verification of activity by utilizing alternate surveillance methods, i.e., recon units, UAV's, etc...to describe activity in sensor vicinity. This mod uses recent acoustic technologies to enable remote determination of activity thereby reducing dependence upon alternate surveillance means.																					
Prototypes built and tested 2nd qtr FY96.																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION:		FIELD INSTALL				ADMINISTRATIVE LEADTIME:				2 Months				PRODUCTION LEADTIME:				9 Months			
Contract Dates:		FY 1997 DEC 96				FY 1998 Enter Date				FY 1999 Enter Date											
Delivery Date:		FY 1997 SEP 97				FY 1998 Enter Date				FY 1999 Enter Date											

INDIVIDUAL MODIFICATION																Date	September 1997
MODIFICATION TITLE (Cont): TRSS																	
FINANCIAL PLAN: (\$ in Millions)																	
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	TOTAL
RDT&E																	
PROCUREMENT																	
Kit Quantity																	
Inst Kits, Nonrecurring																	
EQUIPMENT																	0.228
Equipment, Nonrecurring																	0.050
ENGINEERING CHANGE ORDS																	0.020
ECO																	
Other																	0.019
Installation of Hardware																	
FY 1996 & Prior Eqpt -- Kits																	
FY 1997 Eqpt -- Kits																	
FY 1998 Eqpt -- Kits																	
FY 1999 Eqpt -- Kits																	
FY 2000 Eqpt -- kits																	
FY 2001 Eqpt -- kits																	
FY 2002 Eqpt -- kits																	
FY 2003 Eqpt -- kits																	
(FY(TC) Eqpt (xx kits)																	
Installment Cost																	
Total Procurement Cost				0.317													0.317

INDIVIDUAL MODIFICATION																Date	September 1997				
MODIFICATION TITLE: TERPES N/A																					
MODELS OF SYSTEMS AFFECTED: ALL AN/TSQ-90'S (TERPES)																					
DESCRIPTION / JUSTIFICATION: The AN/TSQ-90, TERPES, processes ELINT from the EA-6B aircraft and incorporates other fused information. This upgrade incorporates enhancements for CTT and adds communication links to GCCS, TCAC, DODIIS, TADIL A&B, and USQ-113 support.																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Program is implemented as individual ECP's to existing system. Items are prototyped and tested. Manufacturing and procurement of non-developmental items (NDI) occurs during final software development. TERPES Upgrade was awarded a MS II on 28 Mar 95. TERPES Upgrade MS III scheduled for Dec 97.																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs									5								5				
Outputs											5								5		
	FY 2002				FY 2003				FY 2004				FY 2005				To	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete				
				5													Cont	Cont			
Inputs																					
Outputs						5											Cont	Cont			
METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 9 Months PRODUCTION LEADTIME: 6 Months Contract Dates: FY 1997 Jul 97 FY 1998 Mar 98 FY 1999 N/A Delivery Date: FY 1997 Jan 98 FY 1998 Sep 98 FY 1999 N/A																					

INDIVIDUAL MODIFICATION																	Date		September 1997	
MODIFICATION TITLE (Cont): TERPES																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity					5				5				5							
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring				0.725		2.418				1.970				1.519				Cont		Cont
ECO																				
Other				0.400																
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits																				
FY 1998 Eqpt -- Kits					5	2.000														
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits									5	2.000										
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits													5	1.500						
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost						2.000				2.000				1.500				Cont		Cont
Total Procurement Cost				1.125		4.418				3.970				3.019				Cont		Cont

INDIVIDUAL MODIFICATION																Date	September 1997				
MODIFICATION TITLE: TPCS Phase I & II Upgrade																					
MODELS OF SYSTEMS AFFECTED: Team Portable Communications Intelligence System																					
DESCRIPTION / JUSTIFICATION: TPCS is a semi-automated, man-packable, team transportable signals intelligence system that provides communications intercept, radio direction finding, collection management, analysis and reporting to the Marine Air Ground Task Force (MAGTF) Commander. TPCS is primarily comprised of commercial-off-the-shelf (COTS) and non-developmental items (NDI). The Upgrade will enable TPCS to exploit advanced communications such as cellular formats and low probability of intercept (LPI) signals. The Upgrade will also provide advanced automation and conform to the JMCIS/GCCS common operating environment (COE).																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: NAPDD for TOPMAKER development: Mar 95; MS II: Feb 97; MS III (Phase II): 4QFY 99																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs												11				6				5	
Outputs														11				6			
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																					
Outputs		5																			
METHOD OF IMPLEMENTATION:						ADMINISTRATIVE LEADTIME:				3 Months				PRODUCTION LEADTIME:				5 Months			
Contract Dates:		FY 1997 N/A				FY 1998 N/A				FY 1999 JAN 99											
Delivery Date:		FY 1997 N/A				FY 1998 N/A				FY 1999 JUN 99											

INDIVIDUAL MODIFICATION											Date		September 1997							
MODIFICATION TITLE (Cont): TPCS Phase I & II Upgrade 0001																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity																				
Install Kits, Nonrecurring																				
Equipment, NonR (Phase I)							11	2.927											11	2.927
Equipment, NonR (Phase II)									6	2.490	5	2.075							11	4.565
ECO								0.200		0.220										0.420
Other																				
Training Support							0.064		0.120		0.018									0.202
Support Equipment									0.060		0.015									0.075
Other									0.020											0.020
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits																				
FY 1998 Eqpt -- Kits																				
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits																				
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost (Phase II)																				
Total Procurement Cost							3.191		2.910		2.108									8.209

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031						P-1 Item Nomenclature: ITEMS LESS THAN \$2 MILLION (INTEL) (P44524)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	5.1			0.4	0.6		2.1					8.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	5.1			0.4	0.6		2.1					8.3
Initial Spares												
Total Proc Cost	5.1			0.4	0.6		2.1					8.3
Flyaway U/C												
Wpn Sys Proc U/C												
<p>This is a roll-up line which consists of:</p> <p>Technical Surveillance Countermeasures (TSCM) - A suite of equipment which provides the Marine Corps Counterintelligence Teams (CIT) with an updated capability to detect clandestine surveillance devices ("bugs") employed by hostile intelligence organizations in a garrison and/or combat environment. Funds are used to procure TSCM Laser detection systems and other direction finding systems. The Mapping Set/Upgrade of Digital Terrain Analysis Mapping System (DTAMS) provides the Topographic Platoons with a portable means to exploit Defense Mapping Agency (DMA) digital mapping products in support of the Marine Air Ground Task Force (MAGTF).</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031				P-1 Line Item Nomenclature: ITEMS LESS THAN \$2 MILLION (INTEL) (P44524)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements		ID CD				FY 97			FY 98			FY 99		
						TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TECHNICAL SURVEILLANCE COUNTERMEASUR									631					
DIGITAL TERRAIN ANALYSIS MAPPING SET						425								

Exhibit P-5a, Budget Procurement History and Planning

Date: September 1997

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031				Weapon System Type:		P-1 Line Item Nomenclature: ITEMS LESS THAN \$2 MILLION (INTEL) (P44524)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Technical Surveillance Countermeasures (TSCM) FY 98	Rome Labs Griffis AFB Rome, NY	C/FFP	SAF/FMBMB AF, Pentagon Wash, DC	Mar-98	Jun-98	1	631000	Yes	No	N/A
Mapping Set/Upgrade of Digital Terrain Mapping System	Virginia Contracting/DIA Boiling AFB Washington, DC	FP	Virginia Contracting/DIA Boiling AFB Washington, DC	Sep-97	Sep-97	1	425000	Yes	No	N/A
REMARKS: Unit cost includes a receiver										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032						P-1 Item Nomenclature: GENERAL PURPOSE MECHANICAL TMDE (P44094)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	6.2			3.0	2.2	4.5	4.9	5.2	3.1	1.8	CONTINUING	CONTINUING
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	6.2			3.0	2.2	4.5	4.9	5.2	3.1	1.8	CONTINUING	CONTINUING
Initial Spares												
Total Proc Cost	6.2			3.0	2.2	4.5	4.9	5.2	3.1	1.8	CONTINUING	CONTINUING
Flyaway U/C												
Wpn Sys Proc U/C												

This is a composite line which consists of several general purpose mechanical test equipment items.

Funds are used to buy mechanical test equipment to support the following principal end items:

Motor Transport: Trucks, HMMWV's, Wreckers, Bus's Trailers etc.

Combat Engineers: Bulldozers, Motor Graders, Compactors, Generator Sets, Rock Crushers, Assault Craft, etc.

Ordnance: Tanks, LAV's, AAV's, Self Propelled Howitzers, Rocket launchers etc.

The test equipment is used by mechanics at all levels of maintenance (e.g. from operator to component rebuild) to restore deadlined items to operational condition. Items procured range from individual mechanic's test sets to diesel engine and transmission dynamometers.

Funding sustains modernization and standandardization plans, as well as new equipment identified in support of new principal end items. In some cases, new requirements will supercede planned requirements. The items bought with these funds are non-developmental, commercial-off-the shelf items (consequently extremely low risk).

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032			P-1 Line Item Nomenclature: GENERAL PURPOSE MECHANICAL TMDE (P44094)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DYNAMOMETER, CONFIG A	A				1031	4	257750						
DYNAMOMETER, CONFIG B	A				1649	8	206125						
FUEL INJ. PUMP TEST STAND	A							1000	7	142857	1008	7	144000
HYDRAULIC TEST BENCH	A							432	4	108000			
CONTACT TEST SET (SPORT)	A				198	9	22000	300	14	21429	2100	104	20192
INJECTOR TEST & CALIBRATION EQUIP.	A										280	1	280000
TEST STAND, TRANSMISSION	A										860	1	860000
LOGISTICS SUPPORT	A				145			447			251		
TECH MANUALS													
TRAINING MATERIALS													
PROVISIONING DATA													
EQUIPMENT INSTALLATION													
TOTAL					3023			2179			4499		

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032				Weapon System Type:		P-1 Line Item Nomenclature: GENERAL PURPOSE MECHANICAL TMDE (P44094)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
DYNAMOMETER, DIESEL ENGINE										
FY 97 CONFIG A	POWER TEST, MILWAUKEE WI	FPO	MCSC QUANTICO VA	Feb-97	Oct-97	4	257750	YES	N/A	N/A
FY 97 CONFIG B	POWER TEST, MILWAUKEE WI	FPO	MCSC QUANTICO VA	Feb-97	Oct-97	8	206125	YES	N/A	N/A
FUEL INJ. PUMP TEST STAND										
FY 98	TBD	C/FP	MCSC QUANTICO VA	Feb-98	Aug-98	7	142857	YES	N/A	N/A
FY 99	TBD	C/FP	MCSC QUANTICO VA	Feb-99	Jul-99	7	144000	YES	N/A	N/A
HYDRAULIC TEST BENCH										
FY 98	TBD	C/FP	MCSC QUANTICO VA	Feb-98	Oct-98	4	108000	YES	N/A	N/A
CONTACT TEST SET (SPORT)										
FY 97	MILTOPE, HOPE HULL, AL	FPO	US ARMY HUNTSVILLE AL	May-97	Dec-98	VAR	VAR	YES	N/A	N/A
FY 98	MILTOPE, HOPE HULL, AL	FPO	US ARMY HUNTSVILLE AL	Jan-98	Jul-98	VAR	VAR	YES	N/A	N/A
FY 99	MILTOPE, HOPE HULL, AL	FPO	US ARMY HUNTSVILLE AL	Jan-99	Jul-99	VAR	VAR	YES	N/A	N/A
INJECTOR TEST & CALIBRATION EQUIP.										
FY 99	TBD	C/FP	MCSC QUANTICO VA	Jan-99	Oct-99	104	20192	NO	FY98	
TEST STAND, TRANSMISSION										
FY 99	TBD	C/FP	MCSC QUANTICO VA	Jan-99	Dec-99	1	280000	YES	N/A	N/A
REMARKS:										

Exhibit P-20, Requirements Study			Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): GENERAL PURPOSE MECHANICAL TMDE (P44094)			Admin Leadtime (after Oct 1): 4 Months				Prod Leadtime: 8 Months		
Line Descriptions Dynamometer, Diesel Engine			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			12						
Unit Cost			Various						
Total Cost			2680.0						
Asset Dynamics									
Beginning Asset Position				10	22	22	22	22	22
Deliveries from: FY 1997 Funding				12					
Deliveries from: FY 1998 Funding									
Deliveries from: FY 1999 Funding									
Deliveries from Subsequent Years Funds									
Other Gains			10						
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions									
End of Year Asset Position			10	22	22	22	22	22	22
Inventory Objective or Current Authorized Allowance			22	22	22	22	22	22	22
Inventory Objective 22		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999	Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment	BAI
Other:		FY XXXX		FY XXXX		FY XXXX			Inactive Inv
Total:									Storage
Remarks: Three of the items delivered in FY97 were procured with FY97 NGREA funds.									

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): GENERAL PURPOSE MECHANICAL TMDE (P44094)				Admin Leadtime (after Oct 1): 4 Months				Prod Leadtime: 6 Months		
Line Descriptions Fuel Inj. Pump Test Stand				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					7	7	8			
Unit Cost					142.9	144.0				
Total Cost					1000.0	1008.0				
Asset Dynamics										
Beginning Asset Position						3	11	22	22	22
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding					3	4				
Deliveries from: FY 1999 Funding						4	3			
Deliveries from Subsequent Years Funds							8			
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position					3	11	22	22	22	22
Inventory Objective or Current Authorized Allowance				22	22	22	22	22	22	22
Inventory Objective 22		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks: FY00 will complete AO.										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): GENERAL PURPOSE MECHANICAL TMDE (P44094)				Admin Leadtime (after Oct 1): 4 Months				Prod Leadtime: 8 Months		
Line Descriptions Hydraulic Test Bench				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					4					
Unit Cost					108.0					
Total Cost					432.0					
Asset Dynamics										
Beginning Asset Position							4	4	4	4
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding						4				
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position						4	4	4	4	4
Inventory Objective or Current Authorized Allowance				4	4	4	4	4	4	4
Inventory Objective 4		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): GENERAL PURPOSE MECHANICAL TMDE (P44094)				Admin Leadtime (after Oct 1): 3 Months				Prod Leadtime: 9 Months		
Line Descriptions Injector Test & Calibration Equip.				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						1	1	4	4	
Unit Cost						280.0	286.0	292.0	298.0	
Total Cost						280.0	286.0	1168.0	1195.0	
Asset Dynamics										
Beginning Asset Position								1	2	6
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding							1			
Deliveries from Subsequent Years Funds								1	4	4
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position							1	2	6	10
Inventory Objective or Current Authorized Allowance				10	10	10	10	10	10	10
Inventory Objective 10		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): GENERAL PURPOSE MECHANICAL TMDE (P44094)				Admin Leadtime (after Oct 1): 3 Months				Prod Leadtime: 11 Months		
Line Descriptions Test Stand, Transmission				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						1	1	2		
Unit Cost						860.0				
Total Cost						860.0				
Asset Dynamics										
Beginning Asset Position								1	2	4
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding							1			
Deliveries from Subsequent Years Funds								1	2	
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position							1	2	4	4
Inventory Objective or Current Authorized Allowance				4	4	4	4	4	4	4
Inventory Objective 4		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): GENERAL PURPOSE MECHANICAL TMDE (P44094)				Admin Leadtime (after Oct 1): 5 Months				Prod Leadtime: 21 Months		
Line Descriptions Tool Sets, Kits & Chests				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary										
Unit Cost										
Total Cost										
Asset Dynamics										
Beginning Asset Position						9	9	9	9	9
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains					9					
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position					9	9	9	9	9	9
Inventory Objective or Current Authorized Allowance				9	9	9	9	9	9	9
Inventory Objective 9		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 033						P-1 Item Nomenclature: NIGHT VISION EQUIPMENT (P44017)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	56.9			19.5		11.8	27.7	28.6	29.5	25.8	Cont.	Cont.
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	56.9			19.5		11.8	27.7	28.6	29.5	25.8	Cont.	Cont.
Initial Spares					2.0	0.3					Cont.	Cont.
Total Proc Cost	56.9			19.5	2.0	12.1	27.7	28.6	29.5	25.8	Cont.	Cont.
Flyaway U/C												
Wpn Sys Proc U/C												

This is a rollup line for Night Vision Equipment consisting of:

MX 11683 - Night Vision Magnification Device (3X Mag): This is an SL-3 component of the AN/PVS-7B & the AN/PVS-14. The 3X Mag is a lens system which easily fits on the parent system providing 3X magnification to the parent system; it also allows the operator to see targets at range with greater clarity.

MX 1162 - 25mm Gen III Image Intensification Tube (Gen III Tube): The Gen III tube is a drop-in retrofit for the Gen II image intensification tubes found in the AN/PVS-4 & AN/TVS-5 individual and crew-served weapons sights. The tube provides a much higher level of reliability when compared with the present Gen II tube, and substantially improves resolution and therefore range performance of the system in which it is installed. This is not an end item.

AN/PVS-14 - Monocular Night Vision Device (MNVD): The MNVD is a Gen III Image Intensification (I2) device which is similar in performance to the AN/PVS-7B NVG. The MNVD is smaller and lighter than the 7B providing much greater latitude of employment than the NVG. The MNVD can be used as a hand-held pocket scope, carried in the utility uniform pocket, mounted to a head or helmet mount, or mounted to a weapon.

Infrared Laser Pointer (IRLP): The IRLP is a hand-held infrared laser pointer used in conjunction with image intensified night vision devices, such as the AN/PVS-7B and the AN/AVS-6 Night Vision Goggles, to mark ground targets for night vision capable aircraft crew

Exhibit P-40, Budget Item Justification Sheet		Date: September 1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 033		P-1 Item Nomenclature: NIGHT VISION EQUIPMENT (P44017)
<p>MS I/II Nov 97 DT Nov 97 - Apr 98 OT July 98 - Jan 99 MS III Jan 99 This item will undergo limited testing as shown on the schedule above.</p> <p>SOFLAM AN/PEQ-1A: The SOFLAM is a lightweight laser designator used for directing smart munitions against high value targets. It is used with the AN/PVS-13 Night Sight and Tripod.</p>		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 033			P-1 Line Item Nomenclature: NIGHT VISION EQUIPMENT (P44017)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MX 11620 (Gen III Tube) Production & Engineering Fee (P&E)											10693	4780	2237
											250		
SUBTOTAL											10943		
AN/PVS-14 (MNVD) - '97 Award 1	A				17556	7442	2359						
P&E					250								
Support Costs					262								
Special Tools					21								
SUBTOTAL					18089								
Infrared Laser Pointer (IRLP)	B										837	261	3207
SUBTOTAL											837		
SOFLAM AN/PEQ-1A	A				903	21	43000						
Accessories (Night Sights / Tripods)					398								
Engineering Support and Training					99								
SUBTOTAL					1400								
TOTAL					19489						11780		

Exhibit P-5a, Budget Procurement History and Planning										Date:
										September 1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 033				Weapon System Type:			P-1 Line Item Nomenclature: NIGHT VISION EQUIPMENT (P44017)			
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
MX 11620 (Gen III Tube) FY 99	Unknown	C-1 FPO	USA CECOM	Dec-98	Oct-99	4780	2237	YES	N/A	N/A
AN/PVS-14 (MNVD) - '97 Award 1 FY 97	ITT/ Roanoke, Va	CM-2/FPO	USA CECOM	May-97	Oct-97	7442	2359	YES	N/A	N/A
Infrared Laser Pointer (IRLP) FY 99	Unknown	C/FFP	NSWC CRANE	Jan-99	Oct-99	261	3207	NO	N/A	N/A
Soflam AN/PEQ-1A FY 97	Litton, FI	FPO	NSWC CRANE	Sep-97	Mar-99	21	43000	YES	N/A	N/A

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 033				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): INFORMATION VISION EQUIPMENT (P44047) SPECIAL OPERATION FORCES LASER MARKER (SOFLAM)				Admin Leadtime (after Oct 1): 11 Months				Prod Leadtime: 18 Months		
Line Descriptions				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				21						
Unit Cost				43.0						
Total Cost				903.0						
Asset Dynamics										
Beginning Asset Position				15	21	21	42	42	42	42
Deliveries from: FY 1997 Funding						21				
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				21	21	42	42	42	42	42
Inventory Objective or Current Authorized Allowance										
Inventory Objective 42		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks: AO of 42 is in staffing and pending approval..										

FY 98 / 99 BUDGET PRODUCTION SCHEDULE							NIGHT VISION EQUIPMENT (P44017)																								September 1997	
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP. PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 98														Fiscal Year 99										LATER	
							Calendar Year 98														Calendar Year 99											
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
MX 11683 (3X Mag)																																
	1	FY 96	MC	9268	8225	1043	825	218																								
MX 11620 (Gen III Tube) - '96 Award																																
	1	FY 96	MC	1159	865	294	150	144																								
MX 11620 (Gen III Tube) - '96 Award																																
	2	FY 96	MC	521	300	221	50	50	50	50	21																					
MX 11620 (Gen III Tube) - '96 Award																																
	2	FY 96	MC	114	0	114					42	72																				
MX 11620 (Gen III Tube)																																
	3	FY 99	MC	4780	0	4780														A										4780		
AN/PVS-14 (MNVD) - '97 Award 1																																
	4	FY 97	MC	7442	0	7442	620	620	620	620	620	620	620	620	620	620	620	622														
Infrared Laser Pointer (IRLP)																																
	3	FY 99	MC	261	0	261															A									261		
SOFLAM AN/PEQ-1A	5	FY 97	MC	21	0	21																		21								
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
MFR	NAME / LOCATION			PRODUCTION RATES			REACHED D +	MFR Number			ADMIN LEAD TIME				MFR After 1 Oct.	TOTAL		REMARKS														
						Prior 1 Oct.			After 1 Oct.		After 1 Oct.																					
	MIN.	1-8-5		MAX.		INITIAL																										
						REORDER																										
	1	ITT/Roanoke, VA						INITIAL																								
	2	Litton, TX						REORDER																								
	3	Unknown						INITIAL																								
	4	ITT/ Roanoke, Va						REORDER																								
	5	Litton, FL						INITIAL																								
								REORDER																								
							INITIAL																									
							REORDER																									
							INITIAL																									
							REORDER																									

FY 98 / 99 BUDGET PRODUCTION SCHEDULE							NIGHT VISION EQUIPMENT (P44017)																								September 1997	
COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP. PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 00												Fiscal Year 01												L A T E R	
							Calendar Year 00												Calendar Year 01													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
MX 11683 (3X Mag)																																
	1	FY 96	MC	9268	9268																											
MX 11620 (Gen III Tube) - '96 Award																																
	1	FY 96	MC	1159	1159																											
MX 11620 (Gen III Tube) - '96 Award																																
	2	FY 96	MC	521	521																											
MX 11620 (Gen III Tube) - '96 Award																																
	2	FY 96	MC	114	114																											
MX 11620 (Gen III Tube)																																
	3	FY 99	MC	4780	0	4780	398	398	398	398	398	398	398	398	398	398	400	400														
AN/PVS-14 (MNVD) - '97 Award 1																																
	4	FY 97	MC	7442	7442																											
Infrared Laser Pointer (IRLP)																																
	3	FY 99	MC	261	0	261	75	75	75	36																						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
M F R	NAME / LOCATION		PRODUCTION RATES			REACHED D +	MFR Number				ADMIN LEAD TIME		MFR After 1 Oct.		TOTAL After 1 Oct.		REMARKS															
			Prior 1 Oct.		After 1 Oct.																											
								INITIAL																								
1	ITT/Roanoke, VA							REORDER																								
2	Litton, TX							INITIAL																								
3	Unknown							REORDER																								
4	ITT/ Roanoke, Va							INITIAL																								
								REORDER																								
								INITIAL																								
								REORDER																								
								INITIAL																								
								REORDER																								

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997																																																	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035								P-1 Item Nomenclature: COMMAND POST SYSTEMS (P44404)																																																	
Program Elements for Code B Items:				Code:		Other Related Program Elements:																																																			
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog																																													
Proc Qty																																																									
Gross Cost				10.1	13.9	7.3	19.9	19.9	13.9	2.9		87.9																																													
Less PY Adv Proc																																																									
Plus CY Adv Proc																																																									
Net Proc (P-1)				10.1	13.9	7.3	19.9	19.9	13.9	2.9		87.9																																													
Initial Spares				1.4	0.0	0.3	0.9	0.9	0.7			4.2																																													
Total Proc Cost				11.5	13.9	7.6	20.8	20.8	14.6	2.9		92.1																																													
Flyaway U/C																																																									
Wpn Sys Proc U/C																																																									
<p>THIS IS A ROLLED LINE CONSISTING OF THE FOLLOWING:</p> <p>TCO Tactical Combat Operations GCCS Global Command and Control System AFATDS Advance Field Artillery Tactical Data System</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th></th> <th>FY97</th> <th>FY98</th> <th>FY99</th> <th>FY00</th> <th>FY01</th> <th>FY02</th> <th>FY03</th> </tr> </thead> <tbody> <tr> <td>TCO</td> <td>FY97 - FY03</td> <td>6.7</td> <td>9.6</td> <td>1.7</td> <td>1.1</td> <td>.9</td> <td>.7</td> <td>.6</td> </tr> <tr> <td>GCCS</td> <td>FY97 - FY03</td> <td>3.4</td> <td>4.3</td> <td>2.0</td> <td>2.0</td> <td>2.2</td> <td>2.2</td> <td>2.3</td> </tr> <tr> <td>AFATDS</td> <td>FY99 - FY02</td> <td>0</td> <td>0</td> <td>3.6</td> <td>16.8</td> <td>16.8</td> <td>11.0</td> <td>0</td> </tr> <tr> <td>TOTAL</td> <td></td> <td>10.1</td> <td>13.9</td> <td>7.3</td> <td>19.9</td> <td>19.9</td> <td>13.9</td> <td>2.9</td> </tr> </tbody> </table> <p>Notes: TCO FY 96 Funded in BLI 461300 (TCO); FY 95 & Prior Funded in BLI 461000 (MTACCS) GCCS FY 96 & Prior Funded in 494200 AFATDS FY96 & Prior Funded in BLI 461100</p>															FY97	FY98	FY99	FY00	FY01	FY02	FY03	TCO	FY97 - FY03	6.7	9.6	1.7	1.1	.9	.7	.6	GCCS	FY97 - FY03	3.4	4.3	2.0	2.0	2.2	2.2	2.3	AFATDS	FY99 - FY02	0	0	3.6	16.8	16.8	11.0	0	TOTAL		10.1	13.9	7.3	19.9	19.9	13.9	2.9
		FY97	FY98	FY99	FY00	FY01	FY02	FY03																																																	
TCO	FY97 - FY03	6.7	9.6	1.7	1.1	.9	.7	.6																																																	
GCCS	FY97 - FY03	3.4	4.3	2.0	2.0	2.2	2.2	2.3																																																	
AFATDS	FY99 - FY02	0	0	3.6	16.8	16.8	11.0	0																																																	
TOTAL		10.1	13.9	7.3	19.9	19.9	13.9	2.9																																																	

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035			P-1 Line Item Nomenclature: COMMAND POST SYSTEMS (P44404)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TACTICAL COMBAT OPERATIONS					6673			9629			1613		
ADPE (GCCS/WWMCCS)					3432			4294			2012		
AFATDS											3643		
TOTAL					10105			13923			7268		
Active Total					8437			11515			7268		
Reserve Total					1668			2408			0		

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035						P-1 Item Nomenclature: ADPE (GCCS/WWMCCS) (A44403)						
Program Elements for Code B Items: 0206313M / C2277				Code: B	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				3.4	4.3	2.0	2.0	2.2	2.2	2.3		18.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				3.4	4.3	2.0	2.0	2.2	2.2	2.3		18.4
Initial Spares				0.5								0.5
Total Proc Cost				3.9	4.3	2.0	2.0	2.2	2.2	2.3		18.9
Flyaway U/C												
Wpn Sys Proc U/C												
<p>Global Command and Control System (GCCS). Consists of command and control subsystems which enable the National Command Authorities (NCA), the Joint Staff, and commanders at appropriate levels to direct and control the operation of U.S. military forces. These funds provide for the GCCS hardware (servers, workstations, printers and communications support equipment (hubs, routers, net encryption devices, modems, and cabling) to support Marine Corps participation in the GCCS as directed by the Secretary of the Navy and Chairman, Joint Staff.</p> <p>FY 96 & Prior Funded in BLI 494200</p> <p>MS II-Sep 96 MS III-Apr 97</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035			P-1 Line Item Nomenclature: ADPE (GCCS/WWMCCS) (A44403)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
GCCS					3432			4294			2012		
TOTAL					3432			4294			2012		

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035			Weapon System Type:		P-1 Line Item Nomenclature: ADPE (GCCS/WWMCCS) (A44403)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
GCCS	VARIOUS	C/FFP	VARIOUS	Jan-97	May-97	VAR	VAR	NO	NO	N/A
FY97		C/FPP	VARIOUS	Jan-98	May-98	VAR	VAR	NO	NO	N/A
FY98		C/FPP	VARIOUS	Jan-99	May-99	VAR	VAR	NO	NO	N/A
FY99										
REMARKS:										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035						P-1 Item Nomenclature: TACTICAL COMBAT OPERATIONS (A44412)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				154	180	9						343
Gross Cost				6.7	9.6	1.7	1.1	0.9	0.7	0.6		21.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				6.7	9.6	1.6	1.1	0.9	0.7	0.7		21.3
Initial Spares				0.9		0.3						1.2
Total Proc Cost				7.6	9.6	1.9	1.1	0.9	0.7	0.7		22.5
Flyaway U/C												
Wpn Sys Proc U/C				0.043	0.053	0.179						

This procurement covers the microcomputer needs of the TCO program. This program provides digital mapping, messaging, overlay, and related capabilities to Marine commanders and their staffs at the battalion level and above. TCO enables Marines to share a common picture of the battlefield throughout the Marine Air Ground Task Force (MAGTF), thereby allowing commanders to make more timely and effective decisions. This system uses the common core software of the Joint Maritime Command Information System, with plans to migrate to the DII COE FY98, and will allow Marines to share their views of the battlespace not only with each other, but their Navy and Coast Guard counterparts as well.

FY96 Funded in BLI 461300 (TCO)
FY95 and prior funded in BLI 461000 (MTACCS)

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035			P-1 Line Item Nomenclature: TACTICAL COMBAT OPERATIONS (A44412)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Hardware Costs													
TAC IV Computer	A				5790	154	37600	7147	180	39706	439	9	48778
TAC IV Expansion Box	A							1026	68	15088	139	9	15444
TCIM (Army Modem)	A				505	60	8410	697	81	8605	79	9	8778
Transit Cases	A				95	154	617	157	248	633	12	18	670
SLIM	A							272	5	54400	611	11	55545
Support Costs					283			330			333		
TOTAL					6673			9629			1613		
Active Total													
Reserve Total					5005						1613		
					1668								

Exhibit P-5a, Budget Procurement History and Planning										Date:
										September 1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035				Weapon System Type:			P-1 Line Item Nomenclature: TACTICAL COMBAT OPERATIONS (A44412)			
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Hardware Costs										
TAC IV Computer										
FY97	HEWLETT PACKARD, CHESAPEAKE, VA.	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-97	Apr-97	154	37600	YES	NO	NA
FY98	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-98	Apr-98	180	39706	YES	NO	NA
FY99	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-99	Apr-99	9	48778	YES	NO	NA
TAC IV Expansion Box										
FY98	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-98	Apr-98	68	15088	YES	NO	NA
FY99	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-99	Apr-99	9	15444	YES	NO	NA
TCIM (Army Modem)										
FY97	SAIC, SAN DIEGO, CA.	C/FFP	US ARMY CECOM	Jan-97	Apr-97	60	8410	YES	NO	NA
FY98	SAIC, SAN DIEGO, CA.	C/FFP	US ARMY CECOM	Jan-98	Apr-98	81	8605	YES	NO	NA
FY99	SAIC, SAN DIEGO, CA.	C/FFP	US ARMY CECOM	Jan-99	Apr-99	9	8778	YES	NO	NA
Transit Cases										
FY97	PACKAGING STRATEGIES, BALTIMORE, MD.	C/FFP	NISE EAST	Jan-97	Apr-97	154	617	YES	NO	NA
FY98	UNKNOWN	C/FFP	NISE EAST	Jan-98	Apr-98	248	631	YES	NO	NA
FY99	UNKNOWN	C/FFP	NISE EAST	Jan-99	Apr-99	18	670	YES	NO	NA
SLIM										
FY98	UNKNOWN	C/FFP	NISE EAST	Jan-98	Apr-98	5	54000	NO	NO	NA
FY99	UNKNOWN	C/FFP	NISE EAST	Jan-99	Apr-99	11	55545	NO	NO	NA
REMARKS: Differing configurations are tailored to each organization. Different configurations provide different capabilities, and hence vary in cost and quantity.										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035				Date: September 1997		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): TACTICAL COMBAT OPERATIONS (TCO)				Admin Leadtime (after Oct 1): 3 Months				Prod Leadtime: 3 Months		
Line Descriptions				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				154	180	9	0	0	0	0
Unit Cost				43.3	53.5	179.2				
Total Cost				6673.0	9629.0	1613.0				
Asset Dynamics										
Beginning Asset Position				334	428	594				
Deliveries from: FY 1997 Funding				94	60					
Deliveries from: FY 1998 Funding					106	74				
Deliveries from: FY 1999 Funding						9				
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				428	594	677				
Inventory Objective or Current Authorized Allowance										
Inventory Objective 753		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:	660	96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:	0	FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:	93	FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:	753									Storage
Remarks:										

[illegible]

[illegible]

Exhibit P-21, Production Schedule

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035						P-1 Item Nomenclature: AFATDS (A44006)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						51	242	242	142			677
Gross Cost						3.6	16.8	16.8	11.0			48.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)						3.6	16.8	16.8	11.0			48.2
Initial Spares							0.9	0.9	0.7			2.5
Total Proc Cost						3.6	17.7	17.7	11.7			50.7
Flyaway U/C												
Wpn Sys Proc U/C						0.071	0.069	0.069	0.078			
<p>Advanced Field Artillery Tactical Data System (AFATDS) will provide digital fire support Command and Control (C2) automation to Marine Air Ground Task Force (MAGTF) Fire Support Coordination Centers, Fire Direction Centers, and Supporting Arms Coordination Centers (afloat). This line procures the hardware only. A hardware suite will consist of ruggedized general purpose computers, tactical modems, printers, displays, electrical distribution units and integration rack/shelter kits. Initial fielding will include Marine Corps Fire Support Command and Control System, similar to the Army's Initial Fire Support Automation System, to provide an initial capability. The system will work with existing and planned tactical communication equipment. The hardware suite is changing in FY-99 in order to support the system migration to the DoD Common Operating Environment and run the more complex AFATDS software. Initial FY99 procurement will replace the fielded IFSAS systems.</p> <p>FY 96 & Prior Funded in BLI 461100</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035			P-1 Line Item Nomenclature: AFATDS (A44006)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID										FY 97		
	CD										TotalCost	Qty	UnitCost
											\$000	Each	\$
AFATDS													
Data System													
SUPPORT COSTS													
TRAVEL													
PROGRAM MANAGEMENT													
ENGR SUPPORT													
TRAINING													
INTEGRATED LOGISTIC SUPPORT													
TOTAL													

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipment / P4440035			P-1 Line Item Nomenclature: AFATDS			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID	FY98			FY99			FY00			FY01		
	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AFATDS					2917	51	57196	14147	242	58459	14458	242	59744
Data System													
SUPPORT COSTS													
TRAVEL					120			318			279		
PROGRAM MANAGEMENT					191			583			488		
ENGR SUPPORT					191			584			512		
TRAINING					120			451			395		
INTEGRATED LOGISTIC SUPPORT					104			716			452		
ECP's											200		
TOTAL					3643			16799			16784		
Active											(0)		
Reserves											(16784)		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035			P-1 Line Item Nomenclature: AFATDS (A44006)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID	FY02			FY03								
	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AFATDS		8670	142	61056									
Data System													
SUPPORT COSTS													
TRAVEL		188											
PROGRAM MANAGEMENT		422											
ENGR SUPPORT		446											
TRAINING		282											
INTEGRATED LOGISTIC SUPPORT		408											
ECP's		600											
TOTAL		11016											

Exhibit P-5a, Budget Procurement History and Planning								Date: September 1997		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035				Weapon System Type:		P-1 Line Item Nomenclature: AFATDS (A44006)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AFATDS										
FY99	US Army, CECOM	C/FFP	US Army CECOM	Jan-99	Jul-99	51	57196	YES	NO	N/A
FY00	TBD	TBD	TBD	Jan-00	Jul-00	242	58459	YES	NO	N/A
FY01	TBD	TBD	TBD	Jan-01	Jul-01	242	59744	YES	NO	N/A
FY02	TBD	TBD	TBD	Jan-02	Jul-02	142	61056	YES	NO	N/A
REMARKS:										

[illegible]

P-1 Item Nomenclature:	AFATDS (A44006)	Date:	September 1997
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AFATDS (A44006) September 1997

AFATDS (A44006) September 1997

[illegible]

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997																															
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 036								P-1 Item Nomenclature: MANEUVER C2 SYSTEMS (P44401)																															
Program Elements for Code B Items:				Code:		Other Related Program Elements:																																	
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog																											
Proc Qty																																							
Gross Cost				6.7	8.0	19.7	27.5	20.4	6.1	9.9		98.4																											
Less PY Adv Proc																																							
Plus CY Adv Proc																																							
Net Proc (P-1)				6.7	8.0	19.7	27.5	20.4	6.1	9.9		98.4																											
Initial Spares				7.2		2.3	2.7	2.7	2.8	0.5		18.3																											
Total Proc Cost				14.0	8.0	22.0	30.2	23.1	8.9	10.5		116.7																											
Flyaway U/C																																							
Wpn Sys Proc U/C																																							
<p>This is a rolled line consisting of the following:</p> <table style="margin-left: 40px; border: none;"> <thead> <tr> <th></th> <th></th> <th>FY97</th> <th>FY98</th> <th>FY99</th> <th>FY00</th> <th>FY01</th> <th>FY02</th> <th>FY03</th> </tr> </thead> <tbody> <tr> <td>JTIDS</td> <td>FY97 - FY03</td> <td>1.2</td> <td>7.4</td> <td>6.7</td> <td>7.2</td> <td>8.1</td> <td>1.0</td> <td>1.1</td> </tr> <tr> <td>DACT</td> <td>FY97 - FY03</td> <td>5.6</td> <td>.6</td> <td>13.0</td> <td>20.4</td> <td>12.3</td> <td>5.1</td> <td>8.8</td> </tr> </tbody> </table> <p>Maneuver C2 is the executive layer of decision support that pulls and fuses information from the functional areas. It provides an integrated representation of the battlespace or a specific area of concern. The systems included in this budget line report unit status and location to the Tactical Combat Operations (TCO) and Advanced Tactical Air Command Control (ATACC). They also disseminate maneuver information throughout the battlespace.</p> <p>JTIDS - JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM DACT - DATA AUTOMATED COMMUNICATIONS TERMINAL</p>															FY97	FY98	FY99	FY00	FY01	FY02	FY03	JTIDS	FY97 - FY03	1.2	7.4	6.7	7.2	8.1	1.0	1.1	DACT	FY97 - FY03	5.6	.6	13.0	20.4	12.3	5.1	8.8
		FY97	FY98	FY99	FY00	FY01	FY02	FY03																															
JTIDS	FY97 - FY03	1.2	7.4	6.7	7.2	8.1	1.0	1.1																															
DACT	FY97 - FY03	5.6	.6	13.0	20.4	12.3	5.1	8.8																															

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 036			P-1 Line Item Nomenclature: MANEUVER C2 SYSTEMS (P44401)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
JTIDS	A				1165			7377			6675		
DACT	B				5568			620			12994		
TOTAL					6733			7997			19669		

Exhibit P-40, Budget Item Justification Sheet

Date:

September 1997

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 036

P-1 Item Nomenclature:

DACT (A44405)

Program Elements for Code B Items:

0206313M / C2271

Code:

B

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				250		902	1415	760	294	445		4066
Gross Cost				5.6	0.6	13.0	20.4	12.3	5.1	8.9		65.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				5.6	0.6	13.0	20.4	12.3	5.1	8.9		65.8
Initial Spares						0.0	0.6	0.6	0.7	0.5		2.5
Total Proc Cost				5.6	0.6	13.0	21.0	12.9	5.8	9.4		68.3
Flyaway U/C												
Wpn Sys Proc U/C				0.022		0.014	0.014	0.016	0.017	0.020		

The Data Automated Communications Terminal (DACT) will extend situational awareness echelons below the battalion level within the Marine Corps. The DACT will receive, store, retrieve, create, modify, transmit, and display map overlays, operational messages/reports, and position information via tactical radios, networks, and/or wire lines. A phased approach for fielding the full functionality of the system will be used consisting of software upgrades and enhancements to allow interoperability with other C4I systems.

DT-Jan 98 for System
DT-Mar 98 for Hardware
IOT&E-Apr 98
MS I/II-Nov 95
MS III-Jun 98
Test Results-None to date

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 036			P-1 Line Item Nomenclature: DACT (A44405)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DACT (LRIP Contract)	B				972	50	19440				12224	902	13552
DACT (Production Contract)					2400	200	12000						
Support Costs *					2096			500			630		
Factory Training					100			120			140		
*Includes one time costs for contract options to purchase such things as technical data, protocol implementation, device drivers, etc.													
TOTAL					5568			620			12994		
Active Component					(5568)			(620)			(9894)		
Reserve Component					(0)			(0)			(3100)		

Exhibit P-5a, Budget Procurement History and Planning								Date: September 1997		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 036				Weapon System Type:		P-1 Line Item Nomenclature: DACT (A44405)				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Fiscal Years										
DACT										
FY 97	Hughes, Indianapolis, IN	C/TM	NAVAIR, Pax River, MD	Jul-97	Sep-97	50	19440	yes	N/A	Apr-97
FY 97	EPS, Tinton Falls, NJ	C/FP	Marcorsyscom, Quantico	Aug-97	Jan-98	200	12000	yes	N/A	May-97
FY 99	EPS, Tinton Falls, NJ	C/FP	Marcorsyscom, Quantico	Dec-98	Feb-99	902	13552	yes	N/A	May-97
<p>REMARKS: Contract with Hughes is a NAVAIR contract. NAVAIR is located in Patuxent River, MD. MARCORSYSCOM, PM Contracts has an authorized contracting officer for this contract.</p> <p>MCSC contract is for the Ruggedized Handheld Computer (RHC), the hardware platform for the DACT program. The RHC will be the standard palmtop computer for the Marine Corps, therefore other programs may be using this contract.</p>										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 036				Date: September 1997		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): MANEUVER C2 SYSTEMS (A44405)				Admin Leadtime (after Oct 1): 10 Months				Prod Leadtime: 2 Months		
Line Descriptions: DACT				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				250		902	1415	760	294	445
Unit Cost				22.3		14.4	14.4	16.2	17.3	19.9
Total Cost				5568.0	620.0	12994.0	20351.0	12332.0	5095.0	8861.0
Asset Dynamics										
Beginning Asset Position					6	150	850	2095	3071	3525
Deliveries from: FY 1997 Funding				6	144	100				
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding						600	302			
Deliveries from Subsequent Years Funds							943	976	454	541
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				6	150	850	2095	3071	3525	4066
Inventory Objective or Current Authorized Allowance										
Inventory Objective 4066		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:	4066	96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:	4066									Storage
Remarks:										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 036						P-1 Item Nomenclature: JTIDS (A44169)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				1	6	6						13
Gross Cost				1.2	7.4	6.7	7.2	8.1	1.0	1.1		32.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				1.2	7.4	6.7	7.2	8.1	1.0	1.1		32.6
Initial Spares				7.2		2.3	2.1	2.1	2.1			15.8
Total Proc Cost				8.4	7.4	9.0	9.3	10.2	3.1	1.1		48.4
Flyaway U/C												
Wpn Sys Proc U/C				1.200	1.230	1.113						

THE JTIDS TERMINAL PROVIDES A HIGH-CAPACITY, JAM RESISTANT, SECURE, DIGITAL COMMUNICATIONS CAPABILITY FOR THE TACTICAL COMMAND AND CONTROL (C2) PLATFORMS.

THIS PROJECT PROCURES JTIDS CLASS 2/2H TERMINALS FOR THE FOLLOWING USMC HOST PLATFORMS: TACTICAL AIR OPERATIONS MODULE (TAOM), ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC), AND AIR DEFENSE COMMUNICATIONS PLATFORM (ADCP). THIS PROJECT ALSO PROCURES HARDWARE (INCLUDING GOVERNMENT FURNISHED PROPERTY (GFP)) REQUIRED TO INTEGRATE THE JTIDS CAPABILITY INTO THE TAOM AND THE ATACC.

THIS ITEM IS CODE A

PRIOR TO FY 1997 THIS PROGRAM IS BUDGETED IN BLI 421300.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 036			P-1 Line Item Nomenclature: JTIDS (A44169)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JTIDS Terminals & High Power Amplifier Group (HPAG)					625	1	624526						
Contractor Support					340			400			200		
JTIDS Support Equipment					190			450			175		
TAD					10			25			25		
AN/TYQ-JTIDS								6275	6	1045833	6275	6	1045833
MCCTSSA Support								227					
TOTAL					1165			7377			6675		
ACTIVE RESERVES					1165 (0)			6331 (1046)			6675 (0)		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipment / P4440036			P-1 Line Item Nomenclature: JTIDS (44169)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CAC2S JTIDS INTEGRATION		4200			4700			539			500		
CEC IMPLEMENTATION		1040			1000								
CENTRAL SOFTWARE SUPPORT ACTIVITY/INTERMEDIATE SOFTWARE SUPPORT ACTIVITY		1000			1250								
SUPPORT COSTS		411			530			489			562		
TERMINAL ANCILLARIES		500			600								
TOTAL		7151			8080			1028			1062		

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 036				Weapon System Type:		P-1 Line Item Nomenclature: JTIDS (A44169)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
JTIDS High Power Amplifier FY 97	Hanscom AFB, Boston, MA	MIPR	MARCORSYSCOM	Jan-97	Sep-97	1	624526	YES	NO	N/A
Dec-97				Feb-98	6	1045833	YES	NO	N/A	
Oct-98				Nov-99	6	1045833	YES	NO	N/A	
AN/TYQ JTIDS FY 98 FY 99										
REMARKS:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipment / P4440036				Date: September 1997		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items):				Admin Leadtime (after Oct 1):				Prod Leadtime:		
JTIDS				3 Months				8 Months		
Line Descriptions				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				1	6	6				
Unit Cost				1165.0	1229.5	1112.5				
Total Cost				1165.0	7377.0	6675.0				
Asset Dynamics										
Beginning Asset Position					1	7	7			
Deliveries from: FY 1997 Funding				1						
Deliveries from: FY 1998 Funding					6					
Deliveries from: FY 1999 Funding							6			
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				1	7	7	13			
Inventory Objective or Current Authorized Allowance										
Inventory Objective 21		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
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P-1 Item Nomenclature: JTIDS (A44169)

Date: September 1997

September 1997

[illegible]

						O	N	D	J	F	M	A	A	M	J	J	A	S	O	N	D	J	F	M	A	A	M	J	J	A	S		
						C	O	E	A	E	A	P	A	Y	U	U	A	E	C	O	V	E	A	E	A	P	A	Y	U	U	A	S	
M F R	NAME / LOCATION	PRODUCTION RATES			REACHED D +	MFR Number			ADMIN LEAD TIME		MFR After 1 Oct.	TOTAL		REMARKS Reserves are non-additive.																			
		MIN.	1-8-5	MAX.			Prior 1 Oct.	After 1 Oct.	After 1 Oct.	After 1 Oct.																							
1	Hanscom AFB, Boston, MA	1	2	5			INITIAL			3	8	11																					
							REORDER																										
							INITIAL																										
							REORDER																										
							INITIAL																										
							REORDER																										
							INITIAL																										
							REORDER																										
							INITIAL																										
							REORDER																										

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	

P-1 Item Nomenclature: <div style="text-align: right;">JTIDS (A44169)</div>	Date: <div style="text-align: right;">September 1997</div>
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P-1 Item Nomenclature: <div style="text-align: right;">JTIDS (A44169)</div>	Date: <div style="text-align: right;">September 1997</div>
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P-1 Item Nomenclature: <div style="text-align: right;">JTIDS (A44169)</div>	Date: <div style="text-align: right;">September 1997</div>
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[illegible]

					O	N	D	J	F	M	A	A	M	J	J	A	S	O	N	D	J	F	M	A	P	M	J	J	A	S		
					C	O	E	A	E	A	P	P	A	U	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	U	E	
M F R	NAME / LOCATION	PRODUCTION RATES			REACHED D +	MFR Number			ADMIN LEAD TIME		MFR After 1 Oct.	TOTAL		REMARKS Reserves are non-additive.																		
		MIN.	1-8-5	MAX.			Prior 1 Oct.	After 1 Oct.	After 1 Oct.	After 1 Oct.																						
1	Hanscom AFB, Boston, MA	1	2	5			INITIAL			3	8	11																				
							REORDER																									
							INITIAL																									
							REORDER																									
							INITIAL																									
							REORDER																									
							INITIAL																									
							REORDER																									
							INITIAL																									
							REORDER																									

[illegible]

Exhibit P-21, Production Schedule

Exhibit P-40, Budget Item Justification Sheet

Date:

September 1997

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037

P-1 Item Nomenclature:

RADIO SYSTEMS (P44445)

Program Elements for Code B Items:

26313M / C2275

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				42.8	26.9	63.1	43.2	29.5	13.5	14.8		233.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				42.8	26.9	63.1	43.2	29.5	13.5	14.8		233.8
Initial Spares				4.0	3.2	1.6	3.6	0.6	0.9			14.0
Total Proc Cost				46.8	30.2	64.7	46.8	30.1	14.4	14.8		247.8
Flyaway U/C												
Wpn Sys Proc U/C												

This is a roll-up line which contains the following programs:

AN/PSC-5 ENHANCED MANPACK RADIO--FY96 Procurement found in BLI 402700, Manpack Radios & Equipment.

SINGGARS RADIO--FY96 Procurement in BLI 451000, SINGGARS.

GROUND MOBILE FORCES (GMF)

GLOBAL BROADCAST SERVICE (GBS) TERMINAL

SECURE MOBILE ANTI-JAM RELIABLE TACTICAL TERMINAL (SMART-T)

GENERAL PURPOSE RADIO REMOTE (GPRR)

STANDARD JOINT TASK FORCE HEADQUARTERS (SJTF HQ)

ENHANCE POSITIONING LOCATOR REPORTING SYSTEM (EPLRS)

	FY97	FY98	FY99	FY00	FY01	FY02	FY03
AN/PSC5	148	4,596	0	0	0	0	0
SINGGARS	40,307	16,907	8,943	5,194	0	0	0
GMF	0	0	8,452	27,318	26,898	0	0
GBS	0	0	0	7,000	100	0	0
SMART-T	0	0	18,100	670	0	0	0
GPRR	0	0	0	0	0	13,525	14,773
STF HQ	2,337	5440	3,000	0	0	0	0
EPLRS	0	0	24,600	3,000	2,500	0	0

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037			P-1 Line Item Nomenclature: RADIO SYSTEMS (P44445)			Weapon System Type:			Date: September 1997			
Weapon Svstem Cost Elements		ID CD				FY 97			FY 98			FY 99		
						TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
						\$000	Each	\$0	\$000	Each	\$0	\$000	Each	\$0
SINCGARS						40307			16907			8943		
GROUND MOBILE FORCES												8452		
SMART-T												18100		
AN/PSC-5 ENHANCED MANPACK RADIO						148			4596					
STANDING JOINT TASK FORCE HQ						2337			5440			3000		
ENHANCED POSITION LOCATION RPT SYS												24600		

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						P-1 Item Nomenclature: AN/PSC-5 ENHANCED MANPACK RADIO (A44131)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				0.1	4.6							4.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				0.1	4.6							4.7
Initial Spares												
Total Proc Cost				0.1	4.6							4.7
Flyaway U/C												
Wpn Sys Proc U/C												
<p>The AN/PSC-5 is a manportable UHF satellite communications (SATCOM) terminal that will provide long range, single channel, communications. The AN/PSC-5 incorporates the Demand Assigned Multiple Access (DAMA) protocol mandated by the Joint Staff. The AN/PSC-5 provides embedded Communications Security (COMSEC) and encrypted voice and data capabilities, ensuring multi-service interoperability with most existing and planned communications systems. In addition to voice and data, the AN/PSC-5 interfaces facsimile, teletype, NET Radio Interface (NRI), and SINCGARS.</p> <p>Prior Years Procurement found in BLI 402700, Manpack Radios & Equipment.</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037			P-1 Line Item Nomenclature: AN/PSC-5 ENHANCED MANPACK RADIO (A44131)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/PSC-5 ANCILLARY EQUIP													
Ancillary Equipment					148			311					
Mounts								4217					
Remotes								68					
Training													
Total					148			4596					

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Weapon System Type:			P-1 Line Item Nomenclature: AN/PSC-5 ENHANCED MANPACK RADIO (A44131)			
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AN/PSC-5 ANCILLARY EQUIP FY98										
MOUNTS	NSWD DALHGREN, VA	C/FFP	MCSC	Jun-98	Sep-98	Lot	311000	YES	YES	
REMOTES	NSWD DALHGREN, VA	C/FFP	CECOM	Jun-98	Sep-98	Lot	4217000	YES	YES	
REMARKS:										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						P-1 Item Nomenclature: SINGGARS (A44363)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				3318								3318
Gross Cost				40.3	16.9	8.9	5.2					71.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				40.3	16.9	8.9	5.2					71.4
Initial Spares				4.0	3.2	1.1	1.1					9.5
Total Proc Cost				44.3	20.1	10.1	6.3					80.8
Flyaway U/C												
Wpn Sys Proc U/C				0.012								
<p>The SINGGARS radio replaces all AN/PRC-77 Manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory. The SINGGARS radio is used as the primary means of communication for command and control as well as fire support on the battlefield. SINGGARS is highly reliable with over 1250 hours mean time between failure and the built-in test equipment eases the workload. Frequency hopping capability offers low probability of intercept, while integrated COMSEC deletes the requirement for external communications security equipment.</p> <p>SINGGARS Radios will not be procured beyond FY 1997.</p> <p>Funding in FY 1998 - FY 2000 reflects costs associated with the fielding and support of SINGGARS to include:</p> <ul style="list-style-type: none"> Installation Special Purpose Test Equipment Maintenance Support Field Service Representatives New Equipment Training Teams Fielding Reliability Award Fees Contracting Support <p>Prior Years PROCUREMENT IN BLI 451000, SINGGARS.</p>												

Exhibit P-5E, Weapon System Cost Analysis (Extended)		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037			P-1 Line Item Nomenclature: RADIO SYSTEMS			Weapon System Type:			Date: September 1997		
Cost Elements	ID										FY 97		
	CD										TotalCost	Qty	UnitCost
											\$000	Each	\$
SINCGARS	A										24633	3318	7424
Ancillary Equipment											5485		
Installation Kits											1590		
Special Purpose Test Equipment													
Maintenance Support											106		
Field Service Representatives											637		
New Equipment Training Teams											1379		
Fielding/Installation by Contractor											3183		
Reliability Award Fee											1677		
Warranty											119		
Contracting Support											398		
Program Support													
Pending Transfer For Disaster Relief													
Pending Offset For Commissary Reprogramming											1100		
TOTAL											40307		

Exhibit P-5E, Weapon System Cost Analysis (Extended)		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037			P-1 Line Item Nomenclature: RADIO SYSTEMS			Weapon System Type:			Date: September 1997		
Cost Elements	ID	FY 98			FY 99			FY 00			FY 01		
	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
SINCGARS													
Ancillary Equipment													
Installation Kits		2275			449			232					
Special Purpose Test Equipment		1552											
Maintenance Support		568			280								
Field Service Representatives		1967			1351			1093					
New Equipment Training Teams		1639			1688								
Fielding/Installation by Contractor		6491			3647			3398					
Reliability Award Fee		1923			1022								
Warranty													
Contracting Support		492			506			471					
TOTAL		16907			8943			5194					

Exhibit P-5a, Budget Procurement History and Planning								Date: September 1997		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Weapon System Type:		P-1 Line Item Nomenclature: SINGGARS (A44363)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
SINGGARS FY 97	ITT, FORT WAYNE, IN	FFP/O	CECOM	Aug-97	Aug-98	3318	7424	YES	N0	Jan-97
REMARKS: UNIT COSTS DO NOT INCLUDE NAVY COMSEC FUNDING. UNIT COST IS AN AVERAGE OF THE UNIT COST FOR VARIOUS CONFIGURATIONS OF THE SINGGARS RADIO.										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): RADIO SYSTEMS (A44363)				Admin Leadtime (after Oct 1): 11 Months				Prod Leadtime: 12 Months		
SINCGARS (A44363)				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				3318						
Unit Cost				12.1						
Total Cost				40307.0						
Asset Dynamics										
Beginning Asset Position				20669	20669	21221	23987	23987	23987	23987
Deliveries from: FY 1997 Funding					552	2766				
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				20669	21221	23987	23987	23987	23987	23987
Inventory Objective or Current Authorized Allowance				23987	23987	23987	23987			
Inventory Objective 23,987		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						P-1 Item Nomenclature: GROUND MOBILE FORCES (A44245)						
Program Elements for Code B Items: 26313M / C2275*				Code: B	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						5	17	16				38
Gross Cost						8.5	27.3	26.9				62.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)						8.5	27.3	26.9				62.7
Initial Spares						0.2	0.7	0.4	0.4			1.7
Total Proc Cost						8.7	28.0	27.3	0.4			64.3
Flyaway U/C												
Wpn Sys Proc U/C						1.690	1.607	1.681				
<p>The GMF STAR-T (Super High Frequency (SHF) Tri-band Advanced Range Extension Terminal) is a tactical satellite terminal that is mounted on a heavy HMMWV. All components (communications equipment and antenna) will be self contained on a removable pallet and can operate independently of the HMMWV. Each terminal will be interoperable with existing tactical satellite terminals and Tri-Tac equipment. These terminals will also be compatible with the other services. Due to its configuration on one HMMWV, this terminal will provide increased mobility with roll-on, roll-off capability.</p> <p>*Army MS I/III-Jul 94 DT-Oct 97 OT-Feb 98 MC MS III-May 98</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037			P-1 Line Item Nomenclature: GROUND MOBILE FORCES (A44245)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
GMF											8000	5	1600000
SUPPORT:													
Engineering Support											382		
Factory Training											50		
Travel											20		
TOTAL											8452		
Active											(3710)		
Reserve											(4742)		

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Weapon System Type:			P-1 Line Item Nomenclature: GROUND MOBILE FORCES (A44245)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
GMF FY 99	Raytheon	C/FFP	CECOM	Jan-99	Jan-00	5	1600000	Yes	No	N/A	
REMARKS:											

FY 98 / 99 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: GROUND MOBILE FORCES (A44245) Date: September 1997																											
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP. PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 99												Fiscal Year 00												L A T E R			
							Calendar Year 99												Calendar Year 00															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
GMF	1	FY 99	MC	5	0	5																												
GMF	1	FY 99	A	11	0	11																												
GMF	1	FY 99	JCS	2	0	2																												
GMF *Reserves	1	FY 99	MC	3	0	3																												
GMF	1	FY 00	MC	17	0	17																												
GMF	1	FY 00	A	16	0	16																												
GMF	1	FY 00	JCS	2	0	2																												
GMF *Reserves	1	FY 00	MC	2	0	2																												
GMF	1	FY 01	MC	16	0	16																												
GMF	1	FY 01	A	38	0	38																												
GMF	1	FY 01	JCS	2	0	2																												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
MFR	NAME / LOCATION				PRODUCTION RATES			REACHED D +	MFR Number	ADMIN LEAD TIME		MFR After 1 Oct.	TOTAL After 1 Oct.	REMARKS * Reserves line is non-additive.																				
R	MIN.	1-8-5	MAX.	Prior 1 Oct.	After 1 Oct.																													
1	Raytheon	1	4	7			INITIAL		3	12	15																							
							REORDER																											
							INITIAL																											
							REORDER																											
							INITIAL																											
							REORDER																											
							INITIAL																											
							REORDER																											

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						P-1 Item Nomenclature: GLOBAL BROADCAST SERVICE TERMINAL (A44359)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty							70					70
Gross Cost							7.0	0.1				7.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)							7.0	0.1				7.1
Initial Spares								0.0				0.0
Total Proc Cost							7.0	0.1				7.1
Flyaway U/C												
Wpn Sys Proc U/C							0.100					
<p>THE GBS TERMINAL IS A SMALL, LIGHTWEIGHT, MULTI-MEGABIT-PER-SECOND RECEIVE-ONLY SATELLITE COMMUNICATIONS (SATCOM) TERMINAL. THE GBS TERMINAL WILL RECEIVE AND DISSEMINATE GLOBAL BROADCASTS OF STANDARD PRODUCTS SUCH AS IMAGERY, INTELLIGENCE INFORMATION, WEATHER, THEATER MESSAGE TRAFFIC, JOINT AND SERVICE-UNIQUE NEWS, VIDEO AND MORALE WELFARE & RECREATION (MWR) PROGRAMMING. THE TERMINAL WILL CONSIST OF A SATCOM RECEIVER, CABLING AND AN 18" SATCOM ANTENNA. THIS IS A JOINT USAF LED PROGRAM.</p> <p>Note: Spares amount in FY01 is 18K.</p>												

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						P-1 Item Nomenclature: SMART-T (A44130)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						24	1					25
Gross Cost						18.1	0.7					18.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)						18.1	0.7					18.8
Initial Spares							1.5					1.5
Total Proc Cost						18.1	2.2					20.3
Flyaway U/C												
Wpn Sys Proc U/C						0.754	0.670					
<p>The MILSTAR SMART-T is a palletized, transportable, heavy HMMV-mounted tactical satellite communications terminal that operates with MILSTAR compatible communications payloads. SMART-T transmits an extremely high frequency (EHF) uplink signal and receives a super high frequency (SHF) downlink signal to provide the MAGTF commander with robust, low probability of intercept, jam resistant communications. SMART-T provides multi-channel medium and low data rate communications simultaneously. The SMART-T will provide the Marine Corps alignment with the Joint Staff MILSATCOM architecture in the EHF satellite frequency spectrum and provide MAGFT elements with multi-channel internal and external, long haul, critical command and control communications. The SMART-T will meet the Joint requirement for a data/voice satellite communications system that will provide secure, mobile, worldwide, anti-jam, low probability of intercept tactical communications not subject to terrain masking or distance limitations.</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037			P-1 Line Item Nomenclature: SMART-T (A44130)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
SMART-T TERMINAL											17876	24	744833
FACTORY TRAINING											75		
ENGINEERING SUPPORT											49		
INTEGRATED LOGISTICS SUPPORT											80		
TRAVEL											20		
TOTAL											18100		

Exhibit P-5a, Budget Procurement History and Planning								Date: September 1997		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Weapon System Type:		P-1 Line Item Nomenclature: SMART-T (A44130)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
SMART-T TERMINAL FY 99	Raytheon Electronic System	FFP	CECOM	Oct-98	Oct-00	24	744833	YES	YES	Jan-96
REMARKS:										

Exhibit P-20, Requirements Study			Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): RADIO SYSTEMS (A44130)			Admin Leadtime (after Oct 1): 0 Months				Prod Leadtime: 24 Months		
SMART-T (A44130)	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary				24	1				
Unit Cost				754.2	670.0				
Total Cost				18100.0	670.0				
Asset Dynamics									
Beginning Asset Position							24	25	
Deliveries from: FY 1997 Funding									
Deliveries from: FY 1998 Funding									
Deliveries from: FY 1999 Funding						24			
Deliveries from Subsequent Years Funds							1		
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions									
End of Year Asset Position						24	25	25	
Inventory Objective or Current Authorized Allowance									
Inventory Objective 25	Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augment	BAI	
Other:	FY XXXX		FY XXXX		FY XXXX			Inactive Inv	
Total:								Storage	
Remarks:									

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	

P-1 Item Nomenclature: SMART-T (A44130)	Date: September 1997
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September 1997

[illegible]

					O	N	D	J	F	M	A	A	M	J	J	A	S	O	N	D	J	F	M	A	A	M	J	J	A	S	
					C	O	E	A	E	A	P	A	U	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	U	E	
M F R	NAME / LOCATION	PRODUCTION RATES			REACHED D +	MFR Number	ADMIN LEAD TIME				MFR After 1 Oct.	TOTAL After 1 Oct.	REMARKS																		
		MIN.	1-8-5	MAX.			Prior 1 Oct.	After 1 Oct.	After 1 Oct.	After 1 Oct.																					
1	RAYTHEON CO MARBOROUGH, MA	2	5	10		1	INITIAL			0	24	24																			
							REORDER			3	23	26																			
							INITIAL																								
							REORDER																								
							INITIAL																								
							REORDER																								
							INITIAL																								
							REORDER																								
							INITIAL																								
							REORDER																								

[illegible]

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	

P-1 Item Nomenclature:	SMART-T (A44130)	Date:	September 1997
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September 1997

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					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M F R	NAME / LOCATION	PRODUCTION RATES			REACHED D +	MFR Number			ADMIN LEAD TIME		MFR After 1 Oct.	TOTAL		REMARKS															
		MIN.	1-8-5	MAX.			Prior 1 Oct.	After 1 Oct.	After 1 Oct.	After 1 Oct.																			
1	RAYTHEON CO MARBOROUGH, MA	2	5	10		1	INITIAL			0	24	24																	
							REORDER			3	23	26																	
							INITIAL																						
							REORDER																						
							INITIAL																						
							REORDER																						
							INITIAL																						
							REORDER																						
							INITIAL																						
							REORDER																						

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						P-1 Item Nomenclature: GENERAL PURPOSE RADIO REMOTE (A44479)						
Program Elements for Code B Items: 26313M / C2275 *				Code: B	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost									13.5	14.8		28.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)									13.5	14.8		28.3
Initial Spares									0.5			0.5
Total Proc Cost									14.0	14.8		28.8
Flyaway U/C												
Wpn Sys Proc U/C												

The General Purpose Radio Remote (GPRR) will replace the current AN/GRA-39 radio remote. The AN/GRA-39 is a twenty-five year old analog system that does not support remoting digital waveform transmissions. The vast majority of C4I systems being fielded today (as well as most future radios) are digital systems; these systems cannot be remoted from the command post using existing equipment. The GPRR function is to remote all tactical radio digital transmissions away from the command post (this reduces the electromagnetic signature of the command post which is essential to counter enemy direction finding, electronic warfare, and anti-radiation munitions efforts).

The GPRR will be interoperable with all HF, VHF, UHF, SHF, and EHF tactical radios and the Marine Corps common computer hardware suite. It will use low power components and will operate using AC or DC power. The bandwidth allocation per GPRR user will be scaleable. This flexibility allows narrow band radios or wide band radio/data systems to be supported in various mission dependent employment configurations. The GPRR will have Built-In-Test and Built-In-Test-Equipment to facilitate fault identification and expedite repair in the field. Reliability, Availability, and Maintainability (RAM) of the GPRR will enjoy a significant increase over existing equipment RAM due to the maximum use of micro-miniature and surface mount component technology.

*MS I/II-May 99
DT-May 00
OT-Feb 01
MS III-TBD

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						P-1 Item Nomenclature: LANT STF HQ (A44632)						
Program Elements for Code B Items:				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				2.3	5.4	3.0						10.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				2.3	5.4	3.0						10.8
Initial Spares												
Total Proc Cost				2.3	5.4	3.0						10.8
Flyaway U/C												
Wpn Sys Proc U/C												
<p>The purpose of the Standing Task Force Headquarters Communications Systems Architecture (SJTF CSA) is to support the internal and external communication requirements for the Headquarters element of the STF. The STF HQ (CSA) provides the STF with a rapidly deployable, easy to use, redundant communication system utilizing minimum equipment types. It provides the STF with Multichannel SatCom; Single Channel Tactical Satellite Systems (TACSAT); Multichannel Line of Sight (LOS); Single Channel LOS; voice, data and message switching; and Technical Control capabilities.</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037			P-1 Line Item Nomenclature: LANT STF HQ (A44632)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
STF HQ Radio Systems					1812	28	VAR	4677	25	VAR	2775	20	VAR
STF HQ Switching / Techcon Systems					525	5	VAR	763	9	VAR	225	2	VAR
Total					2337			5440			3000		

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Weapon System Type:		P-1 Line Item Nomenclature: LANT STF HQ (A44632)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
STF HQ Radio Systems										
FY 97	Various	FFP	Quantico, VA	Sep-97	Dec-97	28	VAR	Yes	Yes	May-97
FY 98	Various	FFP	Quantico, VA	Jan-98	Apr-98	25	VAR	Yes	Yes	Nov-97
FY 99	Various	FFP	Quantico, VA	Jan-99	Apr-99	20	VAR	Yes	Yes	Nov-98
STF HQ Switching / Techcon Systems										
FY 97	Various	FFP	Quantico, VA	Sep-97	Dec-97	5	VAR	Yes	Yes	May-97
FY 98	Various	FFP	Quantico, VA	Jan-98	Apr-98	9	VAR	Yes	Yes	Nov-97
FY 99	Various	FFP	Quantico, VA	Jan-99	Apr-99	2	VAR	Yes	Yes	Nov-98
REMARKS: STF HQ Radio Systems include: INMARSAT Systems (Type A & Type B/64 Kbps), SABER Radios, AN/GRC-239 (TSSR) Systems, MMT 1500 Systems, AN/TRC-170(V3) Systems, and Tri-Band Sat Terminal. STF HQ Switching/Techcon Systems include: IDNX (20/24) Systems, Line Termination Units (LTU), CX-11230 Cables, and SMU's.										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Date: September-97	
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): RADIO SYSTEMS (A44632)				Admin Leadtime (after Oct 1): 11 Months				Prod Leadtime: 3 Months	
STF HQ RADIO SYSTEMS (A44632)			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			28	25	20				
Unit Cost			64.7	187.1	138.8				
Total Cost			1812.0	4677.0	2775.0				
Asset Dynamics									
Beginning Asset Position					53				
Deliveries from: FY 1997 Funding				28					
Deliveries from: FY 1998 Funding				25					
Deliveries from: FY 1999 Funding					20				
Deliveries from Subsequent Years Funds									
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions									
End of Year Asset Position				53	73				
Inventory Objective or Current Authorized Allowance									
Inventory Objective 73		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999	Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment	BAI
Other:		FY XXXX		FY XXXX		FY XXXX			Inactive Inv
Total:									Storage
Remarks:									

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	

P-1 Item Nomenclature:	Date:
LANT STF HQ (A44632)	September 1997

LANT STF HQ (A44632)

September 1997

[illegible]

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						P-1 Item Nomenclature: ENHANCE POSITIONING LOCATOR REPORTING SY (A44633)						
Program Elements for Code B Items: 26313M / C2275				Code: A	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost						24.6	3.0	2.5				30.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)						24.6	3.0	2.5				30.1
Initial Spares						0.3	0.3	0.2				0.8
Total Proc Cost						24.9	3.3	2.7				30.9
Flyaway U/C												
Wpn Sys Proc U/C												
<p>The Enhanced Position Location Reporting System (EPLRS) will provide Marine Forces with a critical command, control, and situational awareness data distribution network that does not currently exist. EPLRS provides robust, seamless, and integrated data distribution that supports numerous MAGTF C4I tactical data systems. The system will be fielded to infantry, artillery, light armored vehicle (LAV), tank, and mobile command units. EPLRS will be the primary entry node for sensor collected information from forward deployed units for transmission to higher headquarters; this type of connectivity is not currently available. The EPLRS system is being fielded to the U.S. Army as their tactical data distribution network, thus, data connectivity between Army and Marine Forces will be made easier when operating in a Joint environment. The U.S. Navy is employing EPLRS as part of it's KSG-1 program. This functionality will support Marine Forces during amphibious operations. The Air National Guard is employing EPLRS in all their Block III F-16's for data and situational awareness distribution.</p> <p>The primary EPLRS system components are a Net Control Station (NCS) and Enhanced PLRS User Units (EPUU). The NCS provides control, timing, monitor, and cryptographic variable generation and update for the EPLRS network.</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037			P-1 Line Item Nomenclature: ENHANCE POSITIONING LOCATOR REPORTING SY (A44633)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
EPLRS EPUU's											19844	484	41000
EPLRS Net Control Station											4000	8	500000
Program/Contractor Support											291		
New Equipment Training											125		
Manuals and Instructions											75		
Integrated Logistics Support											150		
Special Purpose Test Equipment											115		
Total											24600		

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Weapon System Type:			P-1 Line Item Nomenclature: ENHANCE POSITIONING LOCATOR REPORTING SY (A44633)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
EPLRS EPUU's FY 99	Hughes Defense Communications (Mississippi & California)	FFP	CECOM	Jan-99	Jul-00	484	41000	Y	N		
EPLRS Net Control Station FY 99		FFP	CECOM	Jan-99	Jul-00	8	500000	Y	N		
REMARKS:											

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: (Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Date: September-97			
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): RADIO SYSTEMS (A44633)						Admin Leadtime (after Oct 1): 3 Months				Prod Leadtime: 18 Months	
EPLRS EPUU's				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary						484					
Unit Cost						42.6					
Total Cost						20600.0					
Asset Dynamics											
Beginning Asset Position								203			
Deliveries from: FY 1997 Funding											
Deliveries from: FY 1998 Funding											
Deliveries from: FY 1999 Funding							203	281			
Deliveries from Subsequent Years Funds											
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retirements/Attritions											
End of Year Asset Position							203	484			
Inventory Objective or Current Authorized Allowance											
Inventory Objective 537		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI	
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	
Remarks:											

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: (Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037				Date: September-97			
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): RADIO SYSTEMS (A44633)						Admin Leadtime (after Oct 1): 3 Months				Prod Leadtime: 18 Months	
EPLRS Net Control Stations				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary						8					
Unit Cost						500.0					
Total Cost						4000.0					
Asset Dynamics											
Beginning Asset Position							2	8	10	10	
Deliveries from: FY 1997 Funding											
Deliveries from: FY 1998 Funding											
Deliveries from: FY 1999 Funding							6	2			
Deliveries from Subsequent Years Funds											
Other Gains						2					
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retirements/Attritions											
End of Year Asset Position						2	8	10	10	10	
Inventory Objective or Current Authorized Allowance											
Inventory Objective 10		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI	
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	
Remarks: Two Net Control Stations Purchased in FY 98 in 26313M / C2275.											

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	

P-T Item Nomenclature: _____ Date: _____

ENHANCE POSITIONING LOCATOR REPORTING SY (A44633) September 1997

ENHANCE POSITIONING LOCATOR REPORTING SY (A44633) September 1997

[illegible]

							O	N	D	J	F	M	A	P	M	J	J	A	S	O	N	D	J	F	M	A	A	M	J	J	A	S	
							C	O	E	A	E	A	R	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	A	S	
M F R				PRODUCTION RATES			REACHED D +	MFR Number			ADMIN LEAD TIME		MFR After 1 Oct.	TOTAL		REMARKS																	
	NAME / LOCATION			MIN.	1-8-5	MAX.			Prior 1 Oct.	After 1 Oct.	After 1 Oct.																						
	1	Hughes Defense Communications (Forest, Mississippi)			20	120			300	1	INITIAL																						
											REORDER				3		18	21															
											INITIAL																						
											REORDER																						
											INITIAL																						
											REORDER																						
											INITIAL																						
											REORDER																						

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
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<p>P-T Item Nomenclature:</p> <p>ENHANCE POSITIONING LOCATOR REPORTING SY (A44633)</p>
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Date: September 1997

September 1997

[illegible]

					O	N	D	J	F	M	A	A	M	J	J	A	S	O	N	D	J	F	M	A	A	M	J	J	A	S	
					C	O	E	A	E	A	R	P	A	U	U	A	E	C	O	V	E	A	E	A	P	A	U	U	A	S	
M F R	NAME / LOCATION	PRODUCTION RATES			REACHED D +	MFR Number			ADMIN LEAD TIME		MFR After 1 Oct.	TOTAL		REMARKS																	
		MIN.	1-8-5	MAX.			Prior 1 Oct.	After 1 Oct.	After 1 Oct.	After 1 Oct.																					
1	Hughes Defense Communications (Forest, Mississippi)	20	120	300		1	INITIAL																								
						REORDER			3		18	21																			
						INITIAL																									
						REORDER																									
						INITIAL																									
						REORDER																									
						INITIAL																									
						REORDER																									
						INITIAL																									
						REORDER																									

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038						P-1 Item Nomenclature: COMMUNICATIONS SWITCHING AND CONTROL SYS (P44446)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				14.0	44.7	74.2	81.5	14.8				229.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				14.0	44.7	74.2	81.5	14.8				229.2
Initial Spares				0.7	2.0		3.2	2.3	3.0			11.2
Total Proc Cost				14.8	46.8	74.2	84.6	17.1	3.0			240.4
Flyaway U/C												
Wpn Sys Proc U/C												
<p>This is a roll-up line which contains the following programs</p> <p>UNIT LEVEL CIRCUIT SWITCH</p> <p>DIGITAL TECH CONTROL</p> <p>TACTICAL DATA NETWORK</p> <p>DEFENSE MESSAGE SYSTEM</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038			P-1 Line Item Nomenclature: COMMUNICATIONS SWITCHING AND CONTROL SYS (P44446)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
UNIT LEVEL CIRCUIT SWITCH (ULCS)					9798								
TACTICAL DATA NETWORK (TDN)								25636			50756		
DIGITAL TECHNICAL CONTROL (DTC)								11634			18848		
DEFENSE MESSAGE SYSTEM (DMS)					4244			7471			4600		
TOTAL					14042			44741			74204		
Active Total					11842			44741			61290		
Reserve Total					2200			0			12914		

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997																																																	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038								P-1 Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106)																																																	
Program Elements for Code B Items:				Code:	Other Related Program Elements:																																																				
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog																																													
Proc Qty																																																									
Gross Cost				9.8								9.8																																													
Less PY Adv Proc																																																									
Plus CY Adv Proc																																																									
Net Proc (P-1)				9.8								9.8																																													
Initial Spares				0.7	2.0																																																				
Total Proc Cost				9.8								9.8																																													
Flyaway U/C																																																									
Wpn Sys Proc U/C																																																									
<p>The Unit Level Circuit Switch (ULCS) System is a family of Tri-Service Tactical Communcaitons digital voice and data equip,ent consisting of AN/TTC-42 (280 line), and various digital telephones and multiplexers that provide an automatic telephone capability to the field. The ULCS system replaced the analog switching and terminal equipment including AN/TTC-38 and SB-3082. The ULCS Product Improvement Program (ULCS PIP) will begin in FY-97. The ULCS PIP adds a variety of interoperability enhancements that improve the general usefulness and flexibility when employed in joint networks. These improvements include a line termination interface with the secure terminal unit (STU-III), and additional AUTOVON capability.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">MOD</td> <td style="width: 25%;">INSTALLING AGENT</td> <td style="width: 25%;">INSTALLATION</td> <td style="width: 35%;">END ITEM FACILITY</td> </tr> <tr> <td>ULCS PIP</td> <td>FIELD</td> <td>BEGIN: Jan-99</td> <td>AN/TTC-42, AUTOMATIC CENTRAL TELEPHONE OFFICE</td> </tr> <tr> <td></td> <td></td> <td>END: Jan-00</td> <td></td> </tr> <tr> <td></td> <td>FIELD</td> <td>BEGIN: Jan-99</td> <td>SB-3865 AUTOMATIC TELEPHONE SWITCHBOARD</td> </tr> <tr> <td></td> <td></td> <td>END: Jan-00</td> <td></td> </tr> </table> <p>MODELS OF SYSTEMS AFFECTED: AN/TTC-42 Telephone Central & SB-3865 Tactical Switchboard</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">MODIFICATION TITLE</td> <td style="width: 10%;">FY96</td> <td style="width: 10%;">FY97</td> <td style="width: 10%;">FY98</td> <td style="width: 10%;">FY99</td> </tr> <tr> <td>ULCS PIP</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AN/TTC-42 MOD KIT</td> <td></td> <td>5440</td> <td></td> <td></td> </tr> <tr> <td>SB-3865 MOD KIT</td> <td></td> <td>4358</td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td></td> <td>\$9,798</td> <td></td> <td></td> </tr> </table>													MOD	INSTALLING AGENT	INSTALLATION	END ITEM FACILITY	ULCS PIP	FIELD	BEGIN: Jan-99	AN/TTC-42, AUTOMATIC CENTRAL TELEPHONE OFFICE			END: Jan-00			FIELD	BEGIN: Jan-99	SB-3865 AUTOMATIC TELEPHONE SWITCHBOARD			END: Jan-00		MODIFICATION TITLE	FY96	FY97	FY98	FY99	ULCS PIP					AN/TTC-42 MOD KIT		5440			SB-3865 MOD KIT		4358			TOTAL		\$9,798		
MOD	INSTALLING AGENT	INSTALLATION	END ITEM FACILITY																																																						
ULCS PIP	FIELD	BEGIN: Jan-99	AN/TTC-42, AUTOMATIC CENTRAL TELEPHONE OFFICE																																																						
		END: Jan-00																																																							
	FIELD	BEGIN: Jan-99	SB-3865 AUTOMATIC TELEPHONE SWITCHBOARD																																																						
		END: Jan-00																																																							
MODIFICATION TITLE	FY96	FY97	FY98	FY99																																																					
ULCS PIP																																																									
AN/TTC-42 MOD KIT		5440																																																							
SB-3865 MOD KIT		4358																																																							
TOTAL		\$9,798																																																							

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038			P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ULCS PIP													
AN/TTC-42 MOD KIT					5328	61	87344						
SB-3865 MOD KIT					4234	425	9962						
NONRECURRING COSTS					120								
Technical Data					26								
Supporting Equipment					75								
Engineering					15								
Travel													
TOTAL					9798								
ACTIVE					7598								
RESERVES					2200								

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038				Weapon System Type:			P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
AN/TTC-42 MODIFICATION KIT FY-97	UNKNOWN	C/FFP	MCSYSCOM	Oct-97	Oct-98	61	87344	YES	NO	Aug-97	
SB-3865 MODIFICATION KIT FY-97	UNKNOWN	C/FFP	MCSYSCOM	Oct-97	Oct-98	425	9962	YES	NO	Aug-97	
REMARKS:											

[illegible]

INDIVIDUAL MODIFICATION																Date		September 1997			
MODIFICATION TITLE: ULCS (AUTOMATIC CENTRAL OFFICE TELEPHONE) N-0001																					
MODELS OF SYSTEMS AFFECTED: AN/TTC-42 Automatic Central Office Telephone																					
DESCRIPTION / JUSTIFICATION: The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies and a new revision of software																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings.																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION: Field Installed ADMINISTRATIVE LEADTIME: 1 Months PRODUCTION LEADTIME: 13 Months																					
Contract Dates: FY 1997 OCT97 FY 1998 Enter Date FY 1999 Enter Date																					
Delivery Date: FY 1997 OCT98 FY 1998 Enter Date FY 1999 Enter Date																					

INDIVIDUAL MODIFICATION																	Date		September 1997		
MODIFICATION TITLE (Cont):			ULCS (AUTOMATIC CENTRAL OFFICE TELEPHONE) N-0001																		
FINANCIAL PLAN: (\$ in Millions)																					
		FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																					
PROCUREMENT																					
Kit Quantity				61																61	
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring					5.328																5.328
ECO																					
Other					0.013																0.013
Data					0.054																0.054
Interim Contractor Support					0.045																0.045
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost					5.440																5.440

INDIVIDUAL MODIFICATION																Date		September 1997			
MODIFICATION TITLE: UNIT LEVEL CIRCUIT SWITCH (TELEPHONE SWITCHBOARD) N-0002																					
MODELS OF SYSTEMS AFFECTED: SB-3865 Automatic Telephone Switchboard																					
DESCRIPTION / JUSTIFICATION: The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies and a new revision of software																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings.																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION: Field Installed ADMINISTRATIVE LEADTIME: 1 Months PRODUCTION LEADTIME: 13 Months																					
Contract Dates: FY 1997 OCT97 FY 1998 Enter Date FY 1999 Enter Date																					
Delivery Date: FY 1997 OCT 98 FY 1998 Enter Date FY 1999 Enter Date																					

INDIVIDUAL MODIFICATION																	Date	September 1997		
MODIFICATION TITLE (Cont): UNIT LEVEL CIRCUIT SWITCH (TELEPHONE SWITCHBOARD) N-0002																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity			425																425	
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring				4.234																4.234
ECO																				
Other				0.015																0.015
Data				0.059																0.059
Interim Contractor Support				0.050																0.050
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits																				
FY 1998 Eqpt -- Kits																				
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits																				
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost				4.358																4.358

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038						P-1 Item Nomenclature: TACTICAL DATA NETWORK (TDN) (A44239)						
Program Elements for Code B Items: 26313M C2276				Code: B	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost					25.6	50.8	38.6	11.4				126.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					25.6	50.8	38.6	11.4	0.0			126.3
Initial Spares							1.2	0.7	1.0			2.9
Total Proc Cost					25.6	50.8	39.7	12.1	1.0			129.2
Flyaway U/C												
Wpn Sys Proc U/C												

The Tactical Data Network (TDN) will provide the Marine Corps with a complete, integrated data network, forming the communication backbone for Marine Air Ground Task Force (MAGTF) tactical data systems and Defense Mapping System. The TDN consists of two major components: the TDN Gateway and the TDN Server. Both will provide file transfer services, electronic message handling and routing of digital messages between the Local Area Network (LAN), the circuit switched network, and the single channel radil network. In addition, the TDN Gateways will be in an S-788 shelter, mounted on a H-HMMWV for mobility. It will be fielded to the Marine Expeditionary Forces (MEF) headquarters and to the Major Subordinate Commands (MSC's). The TDN Server will be in transit cases and will be man portable. It will be fielded down to the battalion/squadron level.

MS I/II-Apr 95
OT-Sep 97
MS III-Jan 98

OT in progress at Camp Pendleton through 26 Sep 97. MS III remains scheduled for Jan 98.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038			P-1 Line Item Nomenclature: TACTICAL DATA NETWORK (TDN) (A44239)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TDN GATEWAY/SHELTER								6983	6	1163833	14274	12	1189500
TDN SERVER								16587	120	138225	33904	240	141267
Contractor Support								591			875		
Factory Training (I&KP)								382			382		
Technical Manuals								742			742		
Logistics Support								324			324		
Travel								27			28		
ECP's											227		
TOTAL								25636			50756		
ACTIVE											37842		
RESERVES											12914		
SERVERS											1189	1	1189464
GATEWAYS											11725	83	141266

Exhibit P-5a, Budget Procurement History and Planning								Date: September 1997		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038				Weapon System Type:		P-1 Line Item Nomenclature: TACTICAL DATA NETWORK (TDN) (A44239)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
TDN GATEWAY/SHELTER										
FY 98	UNKNOWN	C/FFP	MCSYSCOM	Mar-98	Mar-99	6	1163833	YES	AUG97	
FY 99	UNKNOWN	C/FFP	MCSYSCOM	Oct-98	Sep-99	12	1189500	YES	AUG97	
TDN SERVER										
FY 98	UNKNOWN	C/FFP/O	MCSYSCOM	Mar-98	Sep-98	120	138225	YES	AUG97	
FY 99	UNKNOWN	C/FFP/O	MCSYSCOM	Oct-98	Mar-99	240	141267	YES	AUG97	
REMARKS:										

[illegible]

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038						P-1 Item Nomenclature: DIGITAL TECHNICAL CONTROL (DTC) (A44241)						
Program Elements for Code B Items: 26313M C2276				Code: B	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					6	9	16					31
Gross Cost					11.6	18.8	35.2					65.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					11.6	18.8	35.2					65.7
Initial Spares							2.0	1.6	2.0			5.6
Total Proc Cost					11.6	18.8	37.2	1.6	2.0			71.3
Flyaway U/C												
Wpn Sys Proc U/C					1.9	2.1	2.2					

The Digital Technical Control (DTC) facilitates the installation, operation, restoration, and management of individual circuits and digital links consisting of many multiplexed circuits. It provides the primary interface between subscriber systems/networks within a local area and long-haul multichannel transmission systems to transport voice, message, data, and imagery traffic. It can add, drop and insert digital circuits into multiplexed groups; provide a source of stable timing to connected equipment; condition circuits; and perform analog/digital, 2-wire, and signalling conversions. It contains the monitoring, testing, and patching equipment required by technical controllers to troubleshoot and restore faulty circuits and links.

MS I/II-Apr 95
OT-Sep 97
MS III-Jan 98

OT in progress at Camp Pendleton through 26 Sep 97. MS III remains scheduled for Jan 98.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038			P-1 Line Item Nomenclature: DIGITAL TECHNICAL CONTROL (DTC) (A44241)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DIGITAL TECHNICAL CONTROL AN/TSQ-215								11109	6	1851507	17030	9	1892239
SUPPORT COSTS													
Engineering								273			281		
Logistics Support								61			61		
Factory Training (I&KP)											124		
Technical Manuals								66			66		
Provisioning Data								54			57		
Travel								33			34		
ECP											948		
Contractor Support								38			247		
TOTAL								11634			18848		

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038				Weapon System Type:			P-1 Line Item Nomenclature: DIGITAL TECHNICAL CONTROL (DTC) (A44241)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
AN/TSQ-215 FY 98 FY 99	UNKNOWN UNKNOWN	C/FFP C/FFP/O	MCSYSCOM MCSYSCOM	Mar-98 Oct-98	Mar-99 Sep-99	6 9	1851507 1892239	YES YES	OCT97 OCT97	Nov-97 Nov-97	
REMARKS:											

FY 98 / 99 BUDGET PRODUCTION SCHEDULE									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	

Item Nomenclature: DIGITAL TECHNICAL CONTROL (DTC) (A44241)

Date: September 1997

September 1997

[illegible]

					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M F R	NAME / LOCATION	PRODUCTION RATES			REACHED D +	MFR Number			ADMIN LEAD TIME		MFR After 1 Oct.	TOTAL		REMARKS															
		MIN.	1-8-5	MAX.			Prior 1 Oct.	After 1 Oct.	After 1 Oct.	After 1 Oct.																			
1	UNKNOWN	1	2	3			INITIAL			5	12	17																	
							REORDER																						
							INITIAL																						
							REORDER																						
							INITIAL																						
							REORDER																						
							INITIAL																						
							REORDER																						
							INITIAL																						
							REORDER																						

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038						P-1 Item Nomenclature: DEFENSE MESSAGE SYSTEM (DMS) (A44402)						
Program Elements for Code B Items: 0206313M C2276				Code: B	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				4.2	7.5	4.6	7.7	3.4				27.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				4.2	7.5	4.6	7.7	3.4				27.4
Initial Spares												
Total Proc Cost				4.2	7.5	4.6	7.7	3.4				27.4
Flyaway U/C												
Wpn Sys Proc U/C												

DMS is DOD-wide program to integrate Automatic Digital Network (AUTODIN) and E-mail into a single, secure DoD message communications system. DMS will expand writer-to-reader connectivity, support, and message security services. Organizations and individuals will be able to create, edit, send, receive, read, and process organizational and individual messages, secured with end-to-end protection, direct from desktop terminals/personal computers in their workspaces.

Essentially, DMS will encompass the Marine Corps' current Banyan E-mail and AUTODIN systems as well as the following additional capabilities:

- ** Connectivity to all users in DoD
- ** Secure networking of classification (UNCLASS, SECRET, TS, SIC) on a single network
- ** Ability to send organizational messages from the desktop.

OT-Mar 97
IOT&E-Aug 97
MS III-Sep 97

Successful completion of IOT&E. MSIII scheduled for 30 Sep 97.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038			P-1 Line Item Nomenclature: DEFENSE MESSAGE SYSTEM (DMS) (A44402)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
DMS					1967			3818			1593		
TRAVEL					10			50			50		
FACTORY TRAINING					220			1083			1121		
NETWORK INSTALLATION					1361			1720			1288		
SITE SURVEYS					412			628			373		
CONTRACTOR SUPPORT					274			172			175		
TOTAL					4244			7471			4600		

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038				Weapon System Type:			P-1 Line Item Nomenclature: DEFENSE MESSAGE SYSTEM (DMS) (A44402)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
DMS											
FY97	Lockheed-Martin Manassas, VA	FFP/O	USAF	Apr-97	Dec-97	LOT	VAR	YES	NO	Feb-97	
FY98	Lockheed-Martin Manassas, VA	FFP/O	USAF	Jan-98	May-98	LOT	VAR	YES	YES	Oct-97	
FY99	Lockheed-Martin Manassas, VA	FFP/O	USAF	Jan-99	May-99	LOT	VAR	YES	YES	Oct-98	
REMARKS:											

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039						P-1 Item Nomenclature: COMM/ELEC INFRASTRUCTURE (P44448)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				56.0	37.8	53.6	59.8	50.5	39.3	24.9		322.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				56.0	37.8	53.6	59.8	50.5	39.3	24.9		322.0
Initial Spares												
Total Proc Cost				56.0	37.8	53.6	59.8	50.5	39.3	24.9		322.0
Flyaway U/C												
Wpn Sys Proc U/C												
<p>The Marine Corps Communication/Electronic Infrastructure Support program is an aggregation of inter-related data processing disciplines. The overall objective is to achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing automated information systems and the implementation of new corporate information management (CIM) automated information systems (AIS) to support all functional areas. The Marine Corps has a continuing need to upgrade its computer equipment and system software by replacement or augmentation in order to keep pace with user demands and changing technology.</p> <p>1. NETWORKING INFRASTRUCTURE: The Marine Corps ADP support is comprised of several components including small systems computer equipment, proprietary system software products, the Marine Corps Wide Standard Network Operating System and mainframe connectivity. This support environment was revamped. For the foreseeable future, legacy system ADP support will be provided to the Fleet Marine Forces and supporting establishments by the Defense Mega-Center (DMC) in St. Louis, Missouri. This support structure emphasizes distributed computing capabilities in a client-server architecture. In addition, there is an ongoing requirement to maintain the Marine Corps enterprise network infrastructure to support DoD sponsored and Marine Corps unique client-server applications. Types of equipment purchased include routers for SIPRNET, NIPRNET and DoD migration systems, Network Management Software Tools, File Server and Enterprise Back-up-Restore Software. This line was formerly identified as two separate lines (Regional Computing and System Software). The lines were consolidated to better accommodate emerging technology.</p> <p>FY96 PROCUREMENT IN BLI 494200</p>												

Exhibit P-40, Budget Item Justification Sheet		Date: September 1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039		P-1 Item Nomenclature: COMM/ELEC INFRASTRUCTURE (P44448)
<p>2. TACTICAL SYSTEM SUPPORT EQUIPMENT: Required equipment and support for the Marine Corps Tactical System Support Activity's effort on Life Cycle Software (LCSS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical data systems that are fielded.</p> <p>FY96 PROCUREMENT REPORTED IN BLI 494200</p> <p>3. ASSET TRACKING LOGISTICS AND SUPPLY SYSTEM (ATLASS): ATLASS involves the migration of Marine Corps intermediate and consumer level supply and maintenance from a mainframe into a personal computer application using a networked client-server environment. ATLASS Phase II+ consolidates the total force intermediate and consumer level supply and maintenance information management functions into a single material management system. ATLASS Phase II+ is a client-server based supply maintenance and material readiness AIS that is readily deployable. ATLASS Phase II+ supports any size deployment and retains flexibility to exploit existing commercial and government off-the-shelf software. This system is compliant with MAGTF C4I concept, GCCS COE, and published DOD standards for open systems architecture.</p> <p>FY96 PROCUREMENT REPORTED IN BLI 494200</p> <p>4. MANPOWER AND RESERVE AFFAIRS ADP: This centrally managed program will procure a prototype Document Imaging Equipment and Integration System for the M&RA Department. This program will transform documents from paper to electronic format and reduce storage space plus make these records available throughout M&RA via the Local Area Network.</p> <p>FY96 PROCUREMENT REPORTED IN BLI 494200</p> <p>5. MAGTF LOGISTICS INFRASTRUCTURE: A family of microcomputers that provide the operating forces the necessary tools to support both deliberate and crisis action situations from initiation and mobilization/deployment through employment in an area of responsibility. MAGTF LOG AIS provides core deployment planning and execution capability. It supports Joint Service efforts (TCAIMS and MDSSII are Joint Migration Systems). It is key contributor to USMC Total Asset Visibility (barcode and radio frequency technology). Provides key elements of GCCS functionality (MAGTF II feeds into JOPES). MAGTF LOG AIS supports \$10 Billion of material.</p>		

Exhibit P-40C Budget Item Justification Sheet		Date September 1997
Appropriation / Budget Activity/Serial No. Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039		P-1 Item Nomenclature COMM/ELEC INFRASTRUCTURE (P44448)
Program Elements for Code B Items	Code	Other Related Program Elements
<p>6. OPTICAL DIGITAL IMAGING (ODI-RMS): Provides the Marine Corps the ability to process, store and retrieve Official Military Personnel Files for all active and reserve Marines in an Optical Digital Imaging (ODI) format. The use of this advanced technology will reduce the current cost of maintaining these records, virtually eliminate their loss and provide multiple users simultaneous access. An initial investment of \$8M in this ODI technology will potentially provide cost avoidance of \$46M in operating expenses over a 10-year life cycle.</p> <p>FY96 PROCUREMENT REPORTED IN BLI 494200</p> <p>7. JOINT RECRUITING INFORMATION SUPPORT SYSTEMS (JRISS) : JRISS will automate the entire recruiting business processes from high level mission planning at HQ to prospecting at the canvassing recruiter level. Some of the benefits include one time data entry, forms generation, automated activity reporting, Delayed Entry Program (DEP) tracking, enlistment criteria expert system, electronic distribution of leads, electronic interface with MEPS, other services and relevant outside agencies, to name only a few. JRISS will be a joint system with all services sharing standardized data definitions in a distributed database. JRISS service specific front-end user interfaces will support the unique recruiting practices of each armed service.</p> <p>FY96 PROCUREMENT REPORTED IN BLI 494200</p> <p>8. MANPOWER AUTOMATED INFORMATION SYSTEMS SUPPORT (MAISS): Provides funding for the automated data processing hardware and software required to support ongoing RDT&E projects and for the replacement of existing hardware/software as it reaches the end of its service life. This funding is required to support decision makers and planners throughout M&RA in support of the manpower process. The ability to execute the manpower process is critical to the mission of M&RA. Without MAISS, serious degradation of modeling and system's support exist along with a loss of immediate access to historical data necessary for day-to-day decision making. This leads to poor manpower forecasting and management with the ultimate result of manpower imbalance in quantity, quality and skill mixes.</p> <p>9. ELECTRONIC DATA INTERCHANGE (EDI): Defense Management Review Decision (DMRD) 941 "Implementation of EDI in DoD" calls for an aggressive program to implement EDI in the next five years. EDI is the automated exchange of electronic forms, instead of paper. Through EDI, the Marine Corps basic business systems can be modernized, procedural bottlenecks corrected, and overhead costs reduced. This initiative would cover the costs of the computer and software necessary to transmit information electronically.</p> <p>FY96 PROCUREMENT REPORTED IN BLI 494200</p>		

Exhibit P-40C Budget Item Justification Sheet		Date September 1997
Appropriation / Budget Activity/Serial No. Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039		P-1 Item Nomenclature COMM/ELEC INFRASTRUCTURE (P44448)
Program Elements for Code B Items	Code	Other Related Program Elements
<p>10. BASE TELECOMMUNICATIONS INFRASTRUCTURE: Provides funding for base telephone and transmission systems which are used to transfer voice, data, imagery, etc. aboard Marine Corps bases and stations. These systems also provide users access to worldwide information systems such as the Defense Informations Systems Network, the Internet, and various commercial systems. The base telecommunications infrastructure consists of a fiber optic backbone, multiplexers and high speed transmission equipment capable of supporting any foreseeable bandwidth requirements on demand. Telephone systems will use Integrated Switched Digital Network (ISDN) technology to provide integrated and switched voice, video, and data capability. All base host telephone systems will be upgraded to year 2000 compliance under this program.</p> <p>FY96 PROCUREMENT REPORTED IN BLI 644400</p> <p>11. MCTFS- UD/MIPS MISSO SERVER: A robust pair of servers for each MISSO for LAN support in order to hold the large volume of information required for accessing MCTFS via UD/MIPS and all applicable users manuals, Station Allowance Advisory Notices, Travel Advisory Notices, Pay and Allowances Notices, Systems Assurance Officers, all Marine Corps Activities, Automated Pay Systems Manuals, Record of Emergency Data, Basic Individual Records, Basic Training Records, Reserve Basic Individual Records, Reserve Basic Training Records, and Leave and Earning Statements, computer based training, etc. This allows for much better service to support contingency planning/actions. A minimum total of 14 servers are required, two each for MISSO 02, 03, 06, 09, 16/17 (co-located), 27 and the PA School. Servers can be provided from on-hand assets for MISSO 11, the deploying MISSO. The cost/benefit analysis by the Manpower Information Systtems Support Activity, Kansas City, has shown that providing each MISSO with a pair of servers allows for significantly enhanced support to all regional reporting units. It also allows for reducing dependency on use of mainframe connectivity. The deploying MISSO only deploys with a MEF, MEF Forward or large element to support 25,000 personnel or more. The deployed MISSO normally is deployed and co-located with FSSG G-1 and will be supported by the G-1/G-6 of the supporting unit in the local theater of operations for all support. Each MISSO supports a minimum of 25, 000 Marines or more. Some MISSO's support up to 60,000 Marines. The MISSO provides the visual extract files that allow commanders, staffs and administrators to see near real time information regarding the pay, personnel manpower, training, security and limited mobilization data on all active and reserve Marines and supports and annual amount of 16 million transactions into MCTFS. This reporting, which must be done electronically and reviewed daily, requires this critical "MISSO Server" Infrastructure. It also supports the MAGTF C4I Telecommunications Infrastructure.</p>		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039			P-1 Line Item Nomenclature: COMM/ELEC INFRASTRUCTURE (P44448)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
BASE TELECOM INFRASTRUCTURE					32051			17509			16558		
NETWORK INFRASTRUCTURE					12055			14006			19577		
MCTFS-UDMIPS MISSO SERVER								346			356		
MANPOWER AUTOMATED INFO SYS								501			498		
ATLASS								4044			10806		
MAGTF LOGISTICS AUTOMATED INFO SYS								865			5853		
TACTICAL SYSTEM SUPPORT (MCTSSA)					1185								
MANPOWER AND RESERVE AFFAIRS					191								
ELECTRONIC DATA INTERCHANGE (EDI)					75								
DPRIS-ODI-RMS					851			538					
JRISS					8610								
SURF EAGLE *					1000								
TOTAL					56018			37809			53648		
* Funding Transferred From Operations And Maintenance													
TOTAL													

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039				Weapon System Type:		P-1 Line Item Nomenclature: COMM/ELEC INFRASTRUCTURE (P44448)				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$OOO	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Fiscal Years										
NETWORKING INFRASTRUCTURE										
FY 97	VARIOUS	C/FFP	SYSCOM/GSA	May-97	Jun-97	VAR	12055	YES	N/A	
FY 98	VARIOUS	C/FFP	SYSCOM/GSA	Jan-98	Apr-98	VAR	14006	YES	N/A	
FY 99	VARIOUS	C/FFP	SYSCOM/GSA	Jan-99	Apr-99	VAR	19577	YES	N/A	
TACTICAL SYSTEM SUPPORT EQUIPMENT										
FY 97	VARIOUS	C/FFP	VARIOUS	Jun-97	Jul-97	VAR	1185	YES	N/A	
ATLASS										
FY 98	VARIOUS	C/FFP	NAVMASSO	Feb-98	Jun-98	VAR	4044	YES	N/A	
FY 99	VARIOUS	C/FFP	NAVMASSO	Mar-99	Jul-99	VAR	10806	YES	N/A	
M&RA										
FY 97	FED SIM, WDC	C/FFP	LBC/FED SIM	May-97	Jun-97	VAR	191	YES	N/A	
MAGTF LOGISTICS INFRASTRUCTURE										
FY 98	IH COMPUTER STORE	C/FFP	SYSCOM/CCR	Oct-97	Nov-97	VAR	865	YES	N/A	
FY 99	AIT CONTRACT	C/FFP	SYSCOM/DOT	Oct-98	Nov-98	VAR	3195	YES	N/A	
FY 99	IH COMPUTER STORE	C/FFP	SYSCOM/CCR	Oct-98	Nov-98	VAR	2658	YES	N/A	
ODI										
FY 97	VARIOUS	C/FFP	LBC	Jan-97	Mar-97	VAR	851	YES	N/A	
FY 98	VARIOUS	C/FFP	LBC	Nov-97	Jan-98	VAR	538	YES	N/A	
JRISS										
FY 97	VARIOUS	C/FFP	ARMY	Aug-97	Sep-97	VAR	8610	YES	N/A	
MAISS										
FY 98	VARIOUS	C/FFP	LBC/AR	Jan-98	Apr-98	VAR	501	YES	N/A	
FY 99	VARIOUS	C/FFP	LBC	Jan-99	Apr-99	VAR	498	YES	N/A	
EDI										
FY 97	VARIOUS	C/FFP	LBC	Apr-97	Aug-97	VAR	75	YES	N/A	

Exhibit P-5a, Budget Procurement History and Planning									Date:		
									September 1997		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039				Weapon System Type:		P-1 Line Item Nomenclature:					
						COMM/ELEC INFRASTRUCTURE (P44448)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
Fiscal Years											
BASE TELECOMMUNICATION INFRASTRUCTURE											
FY 97 CAMP KINSER REPLACE TELE SYSTEM	NORTEL, RICHARDSON, TX	C/FFP	AIRFORCE	Mar-97	Jun-97	1	1700	YES	N/A		
FY 97 LEJEUNE TELE & TRANSMISSION	GTE, CHANTILLY, VA	C/FFP	ARMY	Feb-97	Jun-97	1	19441	YES	N/A		
FY 97 29 PALMS UPGRADE SWITCH	LOCAL CONTRACT	C/FFP	USMC	Apr-97	Jul-97	1	936	YES	N/A		
FY 97 PENDLETON TELE SYSTEM UPGRADE	GTE, CHANTILLY, VA	C/FFP	ARMY	Dec-96	Apr-98	1	9974	YES	N/A		
& UPGRADE OF SONET RING 1, 2, & 3 ON THE											
TRANSMISSION BACKBONE											
FY 98 OKINAWA & MAINLAND JAPAN	GTE, CHANTILLY, VA	C/FFP	ARMY/AIRFORCE	Jan-98	Apr-98	1	8709	YES	N/A		
TELEPHONE SYSTEMS UPGRADE											
FY 98 PENDLETON INSTALL RING 4 ON THE	GTE, CHANTILLY, VA	C/FFP	ARMY	Jan-98	Apr-98	1	8800	YES	N/A		
TRANSMISSION BACKBONE, UPGRADE COPPER											
CABLE AND MANHOLE CONDUIT SYSTEM AND											
CONNECT ADDITIONAL BUILDINGS TO FIBER											
OPTIC BACKBONE WITH SINGLE MODE FIBER											
FY 99 OKINAWA & MAINLAND JAPAN	MILCOM SYSTEMS, VA BCH	C/FFP	NAVY	Jan-99	Apr-99	1	11558	YES	N/A		
TRANSMISSION SYSTEM UPGRADE											
FY 99 Y2K TELEPHONE COMPLIANCE YUMA,	GTE, CHANTILLY, VA	C/FFP	ARMY	Jan-99	Apr-99	1	5000	YES	N/A		
29 PALMS, QUANTICO AND CHERRY POINT											
MCTFS-UD/MIPS MISSO SERVER											
FY 98	GTSI, CHANTILLY, VA	C/FFP	MCSA, KC	Jan-98	Apr-98	VAR	346	YES	N/A		
FY 99	UNKNOWN	C/FFP	LBC	Jan-99	Apr-99	VAR	356	YES	N/A		

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 040						P-1 Item Nomenclature: MODIFICATION KITS MAGTF C4I (P44623)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				54.5	23.0	27.9	33.3	35.9	7.3	2.8	Cont	Cont
Plus CY Adv Proc												
Net Proc (P-1)				54.5	23.0	27.9	33.3	35.9	7.3	2.8	Cont	Cont
Initial Spares					0.8	7.5	2.0	2.2	3.3	3.3	Cont	Cont
Total Proc Cost				54.5	23.8	35.4	35.3	38.1	10.6	6.0	Cont	Cont
Flyaway U/C												
Wpn Sys Proc U/C												
<p>Modifications budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded or to increase operational capabilities of non-telecommunication end items previously fielded.</p> <p>This funding profile includes radar modifications which improve mean time between failure rates and enhance performance characteristics. The Direct Air Support Central (DASC) Product Improvement Program (PIP) is a non-developmental effort which will incorporate selected automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO). The COMSEC Cable line is in support of various security systems being fielded including the KY-99 MINTERM, the Electronic Key Management System, the Data Transfer Device, and the STU-III. COMSEC cables will interface with various communication devices to include radios, switches, and computers and will provide secure transmissions at all times. The MRC-142 is an Ultra-High Frequency (UHF) Digital Wideband Transmission System Radio Terminal Set used at the Marine Expeditionary Force, Division, Wing, and Force Service Support Group. It provides medium range, medium capacity, multi-channel trunking required by deployed forces to interconnect the Unit Level Circuit Switch (ULCS). The system is capable of providing up to two separate UHF radio paths in the 1350-1950 MHZ range, using line-of-sight for distances up to 35 miles, for interconnection of digital trunk groups at 144, 288, or 576 Kbps over a maximum of 36 channels.</p> <p>The pre-planned product improvement (PIP) for an uninterrupted power source (UPS) will enable the MRC-142 to maintain reliable communication in the event of external or vehicular power failure. With the Marine Corps moving into the digital battlefield arena, the digital information carried by the MRC-142 will affect more than just this system (depending on the location of the MRC-142, an entire network of operations may be affected.)</p>												

Exhibit P-40, Budget Item Justification Sheet

Date:

September 1997

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 040

P-1 Item Nomenclature:

MODIFICATION KITS MAGTF C4I (P44623)

The MEWSS PIP is an Electronic Warfare (EW) suite of equipment configured in the highly mobile, survivable Light Armored Vehicle. This program develops a material change for the current, outdated EW suite. Threat tactical communciations have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and command and control nets at a critical point in the battle. MEWSS will provide detection, location and demodulation of advanced tactical communications. MEWSS incorporates the U.S. Army's Intelligence and Electronic Warfare Common Sensor (IEWCS) electronics.

MOD	INSTALLATION AGENT	INSTALLATION
----	-----	-----
AN/TPS-59 RADAR MOD (97)	FIELD	BEGIN SEP 98/END AUG 99
IDASC PIP	FIELD	BEGIN MAY 97/END FEB 03
COMSEC CABLES	FIELD	BEGIN JAN 97/END SEP 03
AN/MRC-142 PIP	FIELD	BEGIN JUL 99/END JAN 00
MEWSS-PIP	LM FEDERAL SYS OWEGO, NY	BEGIN JAN 97/END JUL 02

MODELS OF SYSTEMS AFFECTED: MODIFICATION KITS (MAGTF C4I)

MODIFICATION TITLE	FY1997	FY1998	FY1999
COMSEC CABLES	0.552	0.973	1.000
AN/TPS-59 ECP'S	38.711	5.937	8.507
AN/MLQ-36A (MEWSS)	11.120	14.672	15.113
DASC MOD	4.084	1.392	1.432
AN/MRC 142 PIP (UPS)	0.000	0.000	1.890

Exhibit P-40C Budget Item Justification Sheet										Date September 1997	
Appropriation / Budget Activity/Serial No. Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 040					P-1 Item Nomenclature MODIFICATION KITS MAGTF C4I (P44623)						
Program Elements for Code B Items			Code	Other Related Program Elements							
Description			Fiscal Years								
OSIP NO.	Classification		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total
COMSEC CABLES											
1 EFFICIENCY			0.6	1.0	1.0	1.0	1.1	1.1	1.1	Cont	Cont
AN/TPS RADAR SYSTEM											
2 EFFICIENCY			38.7	5.9	8.5	8.0	9.8	0.0	0.0	Cont	Cont
MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (MEWSS)											
3 EFFICIENCY			11.1	14.7	15.1	22.6	23.4	4.6	0.0	Cont	Cont
AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER											
4 EFFICIENCY			4.1	1.4	1.4	1.6	1.6	1.6	1.6	Cont	Cont
MRC-142 PRE-PLANNED PRODUCT IMPROVEMENT (PIP)											
5 EFFICIENCY			0.0	0.0	1.9	0.1	0.0	0.0	0.0	Cont	Cont
Totals			54.5	23.0	27.9	33.3	35.9	7.3	2.8	Cont	Cont

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 040			P-1 Line Item Nomenclature: MODIFICATION KITS MAGTF C4I (P44623)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
COMSEC CABLES					477			898			925		
CONTRACTOR SUPPORT					75			75			75		
SUBTOTAL					552			973			1000		
AN/TPS-59 ECPs													
AN/TPS-59 TACTICAL													
MISSILE DEFENSE (TMD)					33522	7	4788857						
MARINE COMMON HARDWARE SUITE								2400	33	72727			
ANTENNA ARRAY KITS											3095	4	773750
ECP MOD KITS											338		
TRAINING DEVICES											2195		
PRODUCTION UPGRADE KITS					2462	2	1231000						
INSTALLATION											865		
TRAVEL					100			54			62		
CONTRACTOR SUPPORT					250			245			250		
ILS DATA					2377			3238			1702		
SUBTOTAL					38711			5937			8507		
AN/MLQ 36 (A) (MEWSS)					11120	2	5560000	12272	2	6136000	12713	2	6356500
INSTALLATION								2400			2400		
SUBTOTAL					11120			14672			15113		
IDASC (OPS SHELTER)													
DOWNSIZING PIP					2591	12	215917						
VOICE COMM SYSTEM					1249	12	104083						
AUTOMATION UPGRADE								677			692		
SATCOMM RADIOS								313	10	31349	320	10	32046
GENERAL SUPPORT					144			298			313		
INSTALLATION					100			104			107		
SUBTOTAL					4084			1392			1432		
MRC-142											1458	486	3000
INSTALLATION KITS											73		
TRAVEL											29		
INTEGRATED LOG SUPPORT											268		
TRAINING SUPPORT											62		
SUBTOTAL											1890		
Total Cost					54467			22974			27942		
Active					(44867)			(22578)			(27744)		
Reserve					(9600)			(396)			(198)		

Exhibit P-5a, Budget Procurement History and Planning										Date:
										September 1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 040				Weapon System Type:			P-1 Line Item Nomenclature: MODIFICATION KITS MAGTF C4I (P44623)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Fiscal Years										
COMSEC CABLES 1/										
FY 97	TRACOR CHESAPEAKE VA	C/FFP	NISE EAST	Jan-97	Aug-97	VAR	552000	YES	NO	
FY 98	TRACOR CHESAPEAKE VA	C/FFP	NISE EAST	Jan-98	Aug-98	VAR	973000	YES	NO	
FY 99	TRACOR CHESAPEAKE VA	C/FFP	NISE EAST	Jan-99	Aug-99	VAR	1000000	YES	NO	
AN/TPS-59 TMD KITS	LM CORP	FFP	SYSCOM	Dec-96	Sep-98	7	4788857	YES	NO	
FY 97	SYRACUSE, NY									
PRODUCTION UPGRADE	LM CORP	FFP	SYSCOM	Feb-97	Sep-98	2	1231000	YES	NO	
FY 97	SYRACUSE, NY									
MARINE COMMON SUITE	LM CORP	FFP	SYSCOM	Oct-97	Jul-98	33	72727	YES	NO	
FY 98	SYRACUSE, NY									
ANT ARRAY UPGRADE KITS	LM CORP	FFP	SYSCOM	Jan-99	Jul-99	4	773750	NO	NO	
FY 99	SYRACUSE, NY									
IDASC (OPS SHELTER)	NSWC CRANE, IN	C/FFPO	NSWC CRANE	Feb-97	May-97	12	215917	YES	NO	
FY 97										
VOICE COMM	EASTERN COMPUTERS	FFP	SYSCOM	Feb-97	May-97	12	104083	YES	NO	
FY 97										
SATCOM RADIOS										
FY 98	TBD	FFP	SYSCOM	Oct-97	Jan-98	10	31349	YES	NO	
FY 99	TBD	FFP	SYSCOM	Oct-98	Jan-99	10	32046	YES	NO	
MRC-142 PIP/FY-99	NSWC DAHLGREN	WR	DAHLGREN	Jan-99	Apr-99	486	3000	YES	NO	
MEWSS AN/MLQ-36 2/										
FY 97	LOCKHEED MARTIN FED SYS	FFP/	CECOM	Jan-97	Dec-98	2	5560000	YES	NO	
	OWEGO, NY	STED O	FORT MONMOUTH, N.J.							
FY 98	LOCKHEED MARTIN FED SYS	FFP/	CECOM	Jan-98	Oct-99	2	6136000	YES	NO	
	OWEGO, NY	STED O	FORT MONMOUTH, N.J.							
FY 99	LOCKHEED MARTIN FED SYS	FFP/	CECOM	Jan-99	Oct-00	2	6356500	YES	NO	
	OWEGO, NY	STED O	FORT MONMOUTH, N.J.							
REMARKS:										
1/ COMSEC CABLES: UNIT COST REPRESENTS TOTAL DOLLAR AMOUNT. DIFFERENT CABLES/ ANCILLARIES AT VARIOUS QUANTITIES ARE BEING PURCHASED ON ONE CONTRACT.										
2/ MEWSS AN/MLQ-36(A) UNIT COST IN FY98 AND FOLLOWING INCLUDES ELECTRONIC ATTACK MODULE										

INDIVIDUAL MODIFICATION																Date	September 1997				
MODIFICATION TITLE: COMSEC CABLES 0001																					
MODELS OF SYSTEMS AFFECTED: EKMS, DTD, STU III, KY-99, KG-84, KY-90																					
DESCRIPTION / JUSTIFICATION: THE COMSEC CABLE PROGRAM IS A CONTINUOUS EFFORT TO PROVIDE ANCILLARIES TO SUPPORT NEW EQUIPMENT FIELDING AND FIELDED COMSEC DEVICES. NEW ANCILLARIES ARE REQUIRED WHEN OUTDATED COMSEC EQUIPMENT IS REPLACED AND PREVIOUSLY UNDEFINED INTERFACE REQUIREMENT ARE IDENTIFIED BETWEEN COMSEC DEVICES AND MGT F C4I COMMUNICATIONS EQUIPMENT, KY-99, KG-84, KY-90																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION:		FIELD INSTALLED				ADMINISTRATIVE LEADTIME:				3 Months				PRODUCTION LEADTIME:				7 Months			
Contract Dates:		FY 1997 JAN97				FY 1998 JAN98				FY 1999 JAN99											
Delivery Date:		FY 1997 AUG97				FY 1998 AUG98				FY 1999 AUG99											

INDIVIDUAL MODIFICATION																		Date		September 1997	
MODIFICATION TITLE (Cont):		COMSEC CABLES 0001																			
FINANCIAL PLAN: (\$ in Millions)																					
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity			VAR		VAR		VAR														
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring				0.477		0.898		0.925		0.946		0.978		1.000		1.036		Cont.		Cont.	
ECO																					
INTERN CONTRACTOR				0.075		0.075		0.075		0.085		0.085		0.095		0.095		Cont.		Cont.	
SUPPORT																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost				0.552		0.973		1.000		1.031		1.063		1.095		1.131		Cont.		Cont.	

INDIVIDUAL MODIFICATION																Date		September 1997			
MODIFICATION TITLE: AN/TPS RADAR SYSTEM 0002																					
MODELS OF SYSTEMS AFFECTED: THIS MODIFICATION IS TO CORRECT DEFICIENCIES IDENTIFIED BY THE FLEET AND PROCURE MINOR IMPROVEMENTS TO THE AN/TPS-59 ECPs/TMD UPGRADE																					
DESCRIPTION / JUSTIFICATION: THIS MODIFICATION IS TO CORRECT DEFICIENCIES IDENTIFIED BY THE FLEET AND PROCURE MINOR IMPROVEMENTS TO THE AN/TPS-59 RADAR SET.																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION:		FIELD INSTALLED				ADMINISTRATIVE LEADTIME:				2		Months		PRODUCTION LEADTIME:				17		Months	
Contract Dates:		FY 1997 DEC96				FY 1998 OCT97				FY 1999 JAN99											
Delivery Date:		FY 1997 SEP98				FY 1998 JUL98				FY 1999 JUL99											

INDIVIDUAL MODIFICATION																	Date		September 1997	
MODIFICATION TITLE (Cont): AN/TPS RADAR SYSTEM 0002																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity			9		33		4		4		4								54	
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring				35.984		2.400		3.095		7.108		8.582								57.169
ECO																				
Other				2.727		3.537		5.412		0.900		1.200								13.776
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits																				
FY 1998 Eqpt -- Kits																				
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits																				
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost				38.711		5.937		8.507		8.008		9.782								70.945

INDIVIDUAL MODIFICATION																Date		September 1997			
MODIFICATION TITLE: MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (MEWSS) 0003																					
MODELS OF SYSTEMS AFFECTED: Mobile Electronic Warfare Support System (AN/MLQ-36) PIP																					
DESCRIPTION / JUSTIFICATION:																					
<p>The MEWSS PIP is an Electronic Warfare (EW) suite of equipment configured in the highly mobile, survivable Light Armored Vehicle. This program develops a material change for the current , outdated EW suite. Threat tactical communications have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and command and control nets at a critical point in the battle. MEWSS will provide detection, location and demodulation of advance tactical communications. MEWSS incorporates the U.S. Army's Intelligence and Electronic Warfare Common Sensor (IEWCS) electronics.</p>																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:																					
PHASE II -ENGINEERING DEVELOP MODEL (EDM) 4TH QTR FY97 DEVELOPMENTAL TEST AND EVALUATION (DT&E) 4TH QTR FY97 MS11 A-LOW RATE INITIAL PRODUCTION (LRIP) 2ND QTR FY97 INITIAL OPERATIONAL TESTING AND EVALUATION 3QTR FY98 MS III FULL RATE PRODUCTION 4TH QTR FY98																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs			2				2				2				2				3		
Outputs									2				2				2				
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs			3															Cont	Cont		
Outputs		2			3				3									Cont	Cont		
METHOD OF IMPLEMENTATION:																					
ADMINISTRATIVE LEADTIME:										PRODUCTION LEADTIME:											
3 Months										24 Months											
Contract Dates:		FY 1997 JAN97				FY 1998 JAN98				FY 1999 JAN99											
Delivery Date:		FY 1997 DEC98				FY 1998 OCT99				FY 1999 OCT00											

INDIVIDUAL MODIFICATION																	Date		September 1997	
MODIFICATION TITLE (Cont): MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (MEWSS) 0003																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT			2		2		2		3		3								12	
Kit Quantity																				
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring				11.120		12.272		12.713		20.226		19.791		1.008						77.130
ECO																				
Other																				
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits					2	2.400														
FY 1998 Eqpt -- Kits							2	2.400												
FY 1999 Eqpt -- Kits									2	2.400										
FY 2000 Eqpt -- kits											3	3.600								
FY 2001 Eqpt -- kits													3	3.600						
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost						2.400		2.400		2.400		3.600		3.600						
Total Procurement Cost			2	11.120	2	14.672	2	15.113	2	22.626	3	23.391	3	4.608						

INDIVIDUAL MODIFICATION																Date		September 1997			
MODIFICATION TITLE: AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER 0004																					
MODELS OF SYSTEMS AFFECTED: AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA																					
DESCRIPTION / JUSTIFICATION: EQUIPMENT PROCURED UNDER THIS EFFORT WILL BE MODULAR AND ALLOW THE SYSTEM TO BE TASK ORGANIZED AND OPERATED IN THE AN/TSQ-207 HIGH MOBILITY DOWNSIZED DASC (WHICH REPLACED THE AN/TSQ-155(V) AND OE-334 ANTENNA COUPLER GROUP SHELTERS) OR EXTERNAL TO THE DASC OPERATIONS SHELTERS. IMPROVED CAPABILITIES INCLUDE AUTOMATED INTERFACES TO THE DCT, ATACC, PLRS, AFATDS, AND TCO.																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION:		FIELD INSTALLED				ADMINISTRATIVE LEADTIME:				4 Months				PRODUCTION LEADTIME:				3 Months			
Contract Dates:		FY 1997 FEB 97				FY 1998 OCT 97				FY 1999 OCT 98											
Delivery Date:		FY 1997 MAY 97				FY 1998 JAN 98				FY 1999 JAN 99											

INDIVIDUAL MODIFICATION																	Date		September 1997	
MODIFICATION TITLE (Cont): AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER 0004																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity			24		10		10		5		5		5		5					
Inst Kits, Nonrecurring																	Cont		Cont	
Equipment, Nonrecurring				3.840		0.990		1.012		1.158		1.195		1.144		1.182				
ECO																				
Other				0.144		0.298		0.313		0.381		0.393		0.376		0.389				
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits				0.100																
FY 1998 Eqpt -- Kits						0.104														
FY 1999 Eqpt -- Kits								0.107												
FY 2000 Eqpt -- kits										0.048										
FY 2001 Eqpt -- kits												0.049								
FY 2002 Eqpt -- kits														0.047						
FY 2003 Eqpt -- kits																0.048				
(FY(TC) Eqpt (xx kits)																				
Installment Cost				0.100		0.104		0.107		0.048		0.049		0.047		0.048				
Total Procurement Cost				4.084		1.392		1.432		1.587		1.637		1.567		1.619		Cont		Cont

INDIVIDUAL MODIFICATION																Date	September 1997				
MODIFICATION TITLE: MRC-142 PRE-PLANNED PRODUCT IMPROVEMENT (PIP) 0005																					
MODELS OF SYSTEMS AFFECTED: MRC-142 Pre-Planned Product Improvement (PIP)																					
DESCRIPTION / JUSTIFICATION: This Pre-Planned Product Improvement (PIP) for an Uninterrupted Power Source (UPS) will enable the MRC-142 to maintain reliable communication in the event of external or vehicular power failure. With the Marine Corps moving into the Digital Battle Field arena, the digital information carried by the MRC-142 will affect more than just the MRC-142. (Depending on the location of the MRC-142 an entire network of operations may be affected.)																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION:		FIELD INSTALLED				ADMINISTRATIVE LEADTIME:				3 Months				PRODUCTION LEADTIME:				3 Months			
Contract Dates:		FY 1997				FY 1998				FY 1999				JAN99							
Delivery Date:		FY 1997				FY 1998				FY 1999				APR99							

INDIVIDUAL MODIFICATION																	Date		September 1997	
MODIFICATION TITLE (Cont): MRC-142 PRE-PLANNED PRODUCT IMPROVEMENT (PIP) 0005																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT							486												486	
Kit Quantity																				
Inst Kits, Nonrecurring								0.073		0.031										0.104
Equipment, Nonrecurring								1.458												1.458
ECO																				
Other																				
TRAINING SUPPORT								0.062												0.062
SUPPORT EQUIPMENT								0.268												0.268
TRAVEL								0.029		0.023										0.052
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits																				
FY 1998 Eqpt -- Kits																				
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits																				
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost								1.890		0.054										1.944

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997					
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 041								P-1 Item Nomenclature: ITEMS LESS THAN \$2 MILLION MAGTF C4I (P44850)					
Program Elements for Code B Items:				Code:		Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog	
Proc Qty													
Gross Cost				0.3	0.4	2.5	1.2	0.6	0.5	0.4		5.9	
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)				0.3	0.4	2.5	1.2	0.6	0.5	0.4		5.9	
Initial Spares													
Total Proc Cost				0.3	0.4	2.5	1.2	0.6	0.5	0.4		5.9	
Flyaway U/C													
Wpn Sys Proc U/C													
<p>This is a roll-up line which contains many different and unrelated items of equipment for which the annual procurement is less than \$2 Million each. The funds included in this budget line allow procurement of the following items.</p> <p>*Joint Communications Support Element (JCSE) equipment modernization. This effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint Staff Mission.</p> <p>* The Air Defense Communications Platform (ADCP) provides an interface between the AN/TPS-59 (V)3 and the HAWK missile system for tactical ballistic missile defense.</p> <p>All of these items are Code A.</p>													

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 041			P-1 Line Item Nomenclature: ITEMS LESS THAN \$2 MILLION MAGTF C4I (P44850)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JCSE Modernization	A				301	VAR	VAR	316	VAR	VAR	326	VAR	VAR
ADCP PIP	A							55	VAR	VAR	2156	VAR	VAR
TOTAL					301			371			2482		

Exhibit P-5a, Budget Procurement History and Planning								Date: September 1997		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 041		Weapon System Type:			P-1 Line Item Nomenclature: ITEMS LESS THAN \$2 MILLION MAGTF C4I (P44850)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
JCSE Modernization										
FY 97	VARIOUS	VAR	CECOM FT MONMOUTH NJ	VAR	VAR	VAR	VAR	YES	N/A	N/A
FY 98	VARIOUS	VAR	CECOM FT MONMOUTH NJ	VAR	VAR	VAR	VAR	YES	N/A	N/A
FY 99	VARIOUS	VAR	CECOM FT MONMOUTH NJ	VAR	VAR	VAR	VAR	YES	N/A	N/A
ADCP PIP										
FY 98	VARIOUS	VAR	QUANTICO VA	VAR	VAR	VAR	VAR	YES	N/A	N/A
FY 99	VARIOUS	VAR	QUANTICO VA	VAR	VAR	VAR	VAR	YES	N/A	N/A
REMARKS:										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 042						P-1 Item Nomenclature: MODIFICATION KITS (OTHER) (P44923)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				11.0	1.7							12.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				11.0	1.7							12.8
Initial Spares												
Total Proc Cost				11.0	1.7							12.8
Flyaway U/C												
Wpn Sys Proc U/C												
<p>These modifications are for the purpose of correcting equipment deficiencies or to increase the operational capabilities of previously fielded end items.</p> <p>This funding profile includes Tube Launched Optically Tracked Wire Guided Missile (TOW) sight modifications to bring various configurations of the UAS-12 series of night vision sights into a single configuration and to provide countermeasure protection to the gunners and equipment.</p> <p>MOD TITLE: INSTALLATION: TOW NIGHT SIGHT MCDEPOT BEGIN OCT 97/END MAR 99</p> <p>MODELS OF SYSTEMS AFFECTED: AN/UAS-12A, AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT SETS</p> <p>Also included in this budget line is the Direct Air Support Central (DASC) Product Improvement Program (Pip), a non-developmental effort which will incorporate NDI, modified NDI, Automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include enhanced digital voice and data communication distribution system and automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO).</p>												

[illegible]

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 042			P-1 Line Item Nomenclature: MODIFICATION KITS (OTHER) (P44923)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Operator Selectable Filter Switch (OSF)	A				986	326	3025						
Optical Improvement/Operator Selectable Filter Kit (OI/OSF)	A				3060	137	22336						
Installation OSF & OI/OSF Kits *								1734					
Shelter Downsize PIP	A				3965	24	165208						
Digital Voice & Data Systems	A				1858	5	371600						
Harris Radios	A				582	24	24250						
Harris Radios ILS Pkg.	A				31								
LMS-788 Shelters	A				170								
Support Equipment	A				394								
*Includes installation of 349 TOW Sight Hardening Mods (TOSH Mods) purchased prior to FY 1996.													
TOTAL					11046			1734					

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 042				Weapon System Type:			P-1 Line Item Nomenclature: MODIFICATION KITS (OTHER) (P44923)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
Operator Selectable Filter FY 97	Brunswick Defense, Deland, FL	SS/FFP	MICOM	Jun-97	Mar-98	326	3025	YES	NO	N/A	
Optical Improvement/Operator Selectable FY 97	Brunswick Defense, Deland, FL	SS/FFP	MICOM	Jun-97	Apr-98	137	22336	YES	NO	N/A	
Harris Radios FY 97	MacDill AFB, FL	FFP	MacDill AFB, FL	Sep-97	Apr-98	24	24250	YES	NO	N/A	
Digital Voice & Data Systems FY 97	McClellan AFB, CA	FFP	McClellan AFB, CA	Sep-97	Dec-97	5	371600	YES	NO	N/A	
Shelter Downsize PIP FY 97	NSWC Crane, IN	PO	Marine Corps Systems Command	Jun-97	Nov-97	24	165208	YES	NO	N/A	
REMARKS: Program consists of three types of MOD kits: the OSF kit installs a filter wheel to defeat countermeasure threat and the OI/OSF mod kit provides improved mirrors, prisms, lenses, and detectors as well as the OSF mod to provide more accurate observation and target tracking. TOSH kit adds additional protection for the gunner and equipment.											

INDIVIDUAL MODIFICATION																Date	September 1997				
MODIFICATION TITLE: TOW SIGHT MODIFICATIONS FOR THE UAS-12 SERIES OF SIGHTS MOD 1																					
MODELS OF SYSTEMS AFFECTED: AN/UAS-12A,AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT SETS																					
DESCRIPTION / JUSTIFICATION: This modification program bring existing night sights into a single configuration which is compatible with new production sight. The program consists of three mod kits. Two kits are: the Operator Selectable Filter (OSF) kit and the Optical Improvement/Operator Selectable Filter (OI/OSF) kit. The OSF kit provides countermeasure protection by means of a filter wheel and multiple filters. The OI/OSF kit upgrades the original sights into the most current configuration with improved mirrors, prisms, lenses, and detectors, as well as the OSF mod. The third kit is the TOW Optical Sight Hardening Mod (TOSH) which adds additional protection for both the gunner and and equipment.																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A *Part of the FY 1998 Input is from a buy prior to FY 1996 (349 Kits).																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs						*203	203	203	203												
Outputs						203	203	203	203												
	FY 2002				FY 2003				FY 2004				FY 2005				To	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete				
																		609			
Inputs																					
Outputs																		812			
METHOD OF IMPLEMENTATION:		Depot (Barstow)				ADMINISTRATIVE LEADTIME:				Var. Months				PRODUCTION LEADTIME:				Var. Months			
Contract Dates:		FY 1997 Various				FY 1998				FY 1999											
Delivery Date:		FY 1997 Various				FY 1998				FY 1999											

INDIVIDUAL MODIFICATION																	Date		September 1997	
MODIFICATION TITLE (Cont): TOW SIGHT MODIFICATIONS FOR THE UAS-12 SERIES OF SIGHTS MOD 1																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity			463																463	
Inst Kits, Nonrecurring																				
Inst Kits				4.046																4.046
Equipment, Nonrecurring																				
ECO																				
Other																				
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits					463	1.734													463	1.734
FY 1998 Eqpt -- Kits																				
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits																				
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost						1.734													463	1.734
Total Procurement Cost				4.046		1.734														5.780

INDIVIDUAL MODIFICATION																Date	September 1997				
MODIFICATION TITLE: DIRECT AIR SUPPORT CENTER(DASC) PRODUCT IMPROVEMENT MOD 2																					
MODELS OF SYSTEMS AFFECTED: MOD Kits (MAGTF C4I) AN/TSQ-155V Improved DASC (IDASC) OE-334 Antenna Coupler Group																					
DESCRIPTION / JUSTIFICATION: Task-oriented, modular systems will operate in the AN/TSQ-207 high mobility downsized DASC. Improved capabilities include enhanced digital voice and data communication distribution system and automated interfaces to the DCT, ATACC, PLRS, AFATDS, and TCO.																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Prototype hardware and software will undergo analysis and modification at Marine Corps tactical systems support activity and Naval Surface Warfare Center, Crane, IN.																					
Installation Schedule:																					
	Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs			5	24	24																
Outputs				5		24	24														
		FY 2002				FY 2003				FY 2004				FY 2005				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs																			53		
Outputs																			53		
METHOD OF IMPLEMENTATION:		ADMINISTRATIVE LEADTIME: 4 Months																PRODUCTION LEADTIME: 3 Months			
Contract Dates:		FY 1997				Feb 1997				FY 1998				FY 1999							
Delivery Date:		FY 1997				May 1997				FY 1998				FY 1999							

INDIVIDUAL MODIFICATION																	Date	September 1997		
MODIFICATION TITLE (Cont): DIRECT AIR SUPPORT CENTER(DASC) PRODUCT IMPROVEMENT MOD 2																				
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity			29																29	
Inst Kits, Nonrecurring				5.823																5.823
Equipment, Nonrecurring																				
Shelters				0.170																0.170
Harris Radios			24	0.582															24	0.582
ECO																				
Other				0.425																0.425
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits																				
FY 1998 Eqpt -- Kits																				
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits																				
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost				7.000																7.000

Exhibit P-40, Budget Item Justification Sheet

Date:

September 1997

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043

P-1 Item Nomenclature:

ITEMS LESS THAN \$2MILLION (OTHER) (P44750)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				2.6	3.3	3.5	3.9	3.9	1.7	2.0	Cont.	Cont.
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				2.6	3.0	3.2	3.9	3.9	1.7	2.0	Cont.	Cont.
Initial Spares												
Total Proc Cost				2.6	3.0	3.2	3.9	3.9	1.7	2.0	Cont.	Cont.
Flyaway U/C												
Wpn Sys Proc U/C												

The funds included in this Roll-up Budget Line support the following Programs:

- * Power Supply Equipment. Provides direct current (DC) voltage from an alternating current (AC) power source. This enables communication equipment to operate without batteries. It also provides DC voltage used in the maintenance of electronic equipment. (RCN: 040288)
- * Tools, Sets, Kits & Chests (TSK&C). Provides general purpose tools and support items used to support the installation, operation, and maintenance of weapon systems. (RCN: 040958)
- * Calibration Equipment. Provides calibration equipment and materials required to calibrate, align, and maintain all Marine Corps Test Equipment, Gauges, Survey Instruments, etc.
(Note: RCN 140247 and RCN 145879 are combined into RCN 045879 in FY97.)
- * Global Positioning Survey (GPS). This line includes the Global Positioning Survey (GPSS) Device which is a Satellite Based Survey System that will improve responsiveness and accuracy of Marine Corps Artillery units by providing for quick, accurate, and common survey control through the battlefield.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043			P-1 Line Item Nomenclature: ITEMS LESS THAN \$2MILLION (OTHER) (P44750)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
POWER SUPPLY					1000			1410			1403		
TOOLS, SETS, KITS, AND CHESTS					299			515			624		
CALIBRATION EQUIPMENT					1273			1093			1126		
GLOBAL POSITIONING SURVEY								240			360		
TOTAL					2572			3258			3513		

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043						P-1 Item Nomenclature: POWER SUPPLY (A40288)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				1.0	1.4	1.4	2.1	2.1				Cont.
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				1.0	1.4	1.4	2.1	2.1				Cont.
Initial Spares												
Total Proc Cost				1.0	1.4	1.4	2.1	2.1				Cont.
Flyaway U/C												
Wpn Sys Proc U/C												
<p>Power Supply Equipment provides direct current (DC) voltage from an alternating current (AC) power source. This enables communication equipment to operate without batteries. It also provides DC voltage used in the maintenance of electronic equipment. RCN: 040288</p> <p>This Program is eliminating obsolete and antiquated power supplies from the Marine Corps inventory at the same time reducing the types of power supplies from 11 to 3. This program is also providing power supplies to relieve current severe shortages of power supplies in the field.</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043			P-1 Line Item Nomenclature: POWER SUPPLY (A40288)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Power Supply													
0-40 Volt	A				851	700	1216	319	200	1594	213	122	1744
24-28 Volt	A							800	200	4000	1000	250	4000
20-80 Volt	A							196	70	2800	105	35	3000
Logistics Support					149			95			85		
TOTAL					1000			1410			1403		

Exhibit P-5a, Budget Procurement History and Planning									Date:	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043									Sep 1997	
Weapon System Type:				P-1 Line Item Nomenclature:						
				POWER SUPPLY (A40288)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Power Supply										
0-40 Volt										
FY 97	Xantrex Technology, Canada	FPO	MCSC, Quantico, VA	Mar-97	Jun-97	700	1216	Yes	N/A	N/A
FY 98	Xantrex Technology, Canada	FPO	MCSC, Quantico, VA	Nov-97	Mar-98	200	1594	Yes	N/A	N/A
FY 99	Xantrex Technology, Canada	FPO	MCSC, Quantico, VA	Nov-98	Mar-99	122	1744	Yes	N/A	N/A
24-28 Volt										
FY 98	TBD	C/FP	MCSC, Quantico, VA	Nov-97	Jun-98	200	4000	Yes	N/A	N/A
FY 99	TBD	C/FP	MCSC, Quantico, VA	Nov-98	Jun-99	250	4000	Yes	N/A	N/A
20-80 Volt										
FY 98	Mid-Eastern Electronics, NJ	FPO	NAVICP, Mechanicsburg PA	Feb-98	Jun-98	70	2800	Yes	N/A	N/A
FY 99	Mid-Eastern Electronics, NJ	FPO	NAVICP, Mechanicsburg PA	Feb-99	Jun-99	35	3000	Yes	N/A	N/A
REMARKS:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No:				Date: September-97			
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Power Supply (A40288)				Admin Leadtime (after Oct 1): 5 Months				Prod Leadtime: 3 Months			
Line Descriptions Power Supply, 0-40 Volt				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary				700	200	122					
Unit Cost				1.2	1.6	1.7					
Total Cost				851.0	319.0	213.0					
Asset Dynamics											
Beginning Asset Position				1599	2482	2982	3104	3104	3104	3104	
Deliveries from: FY 1997 Funding				400	300						
Deliveries from: FY 1998 Funding					200						
Deliveries from: FY 1999 Funding						122					
Deliveries from Subsequent Years Funds											
Other Gains				483							
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retirements/Attritions											
End of Year Asset Position				2482	2982	3104	3104	3104	3104	3104	
Inventory Objective or Current Authorized Allowance				3104	3104	3104	3104	3104	3104	3104	
Inventory Objective 3104		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI	
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	
Remarks:											

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043						P-1 Item Nomenclature: TOOLS, SETS, KITS AND CHESTS (A40958)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				0.3	0.5	0.6	0.6	0.6	0.5	0.7		Cont.
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				0.3	0.5	0.6	0.6	0.6	0.5	0.7		Cont.
Initial Spares												
Total Proc Cost				0.3	0.5	0.6	0.6	0.6	0.5	0.7		Cont.
Flyaway U/C												
Wpn Sys Proc U/C												
<p>Tools, Sets Kits and Chests (TSK&C) includes general purpose tool sets and kits used at all echelons of maintenance to support the following principal end items. RCN: 040958</p> <p>Motor Transport: Trucks, HMMWV's, Wreckers, Bus's, and the various items of repair and maintenance equipment contained in the repair shops.</p> <p>Combat Engineers: Bulldozers, Motor Graders, Compactors, Rock Crushers, Assault Craft, and the various items of repair and maintenance equipment assigned to the repair shops.</p> <p>Ordinance: Tanks, LAV's, AAV's, Self-Propelled Howitzers, and the various items of repair and maintenance equipment assigned to the repair shops.</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043			P-1 Line Item Nomenclature: TOOLS, SETS, KITS, AND CHESTS (A40958)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Tool Set, Cummins Diesel	A				120	3	40000						
Tool Set, Detroit Diesel	A				126	3	42000						
Tool Set, Allison Transmission	A				8	3	2650						
Tool Set, Common No. 1	A				45	3	15000	150	10	15000			
Tool Set, Common No. 2	A							115	4	28750			
Tool Kit, Electro Optical	A							250	100	2500			
Tool Set, Caterpillar	A										500	20	25000
Tool Set, Containers	A										124	20	6200
TOTAL					299			515			624		

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Weapon System Type:		P-1 Line Item Nomenclature: TOOLS, SETS, KITS, AND CHESTS (A40958)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Tool Set, Cummins Diesel FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	40000	Yes	N/A	N/A
Tool Set, Detroit Diesel FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	42000	Yes	N/A	N/A
Tool Set, Allison Transmission FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	2650	Yes	N/A	N/A
Tool Set, Common No. 1 FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	15000	Yes	N/A	N/A
FY 98	VARIOUS	C/FP	MCLB, Albany, GA	Jan-98	May-99	10	15000	Yes	N/A	N/A
Tool Set, Common No. 2 FY 98	VARIOUS	C/FP	MCLB, Albany, GA	Jan-98	May-99	4	28750	Yes	N/A	N/A
Tool Kit, Electro Optical FY 98	VARIOUS	C/FP	MCLB, Albany, GA	Jan-98	May-99	100	2500	Yes	N/A	N/A
Tool Set, Caterpillar (MTVR) FY 99	VARIOUS	C/FP	MCLB, Albany, GA	Jan-99	Jan-00	20	25000	No	N/A	N/A
Tool Set, Containers FY 99	VARIOUS	C/FP	MCLB, Albany, GA	Jan-99	Jul-99	20	6200	No	N/A	N/A
REMARKS:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Tools, Sets, Kits, and Chests (A40958)				Admin Leadtime (after Oct 1): 7 Months				Prod Leadtime: 19 Months		
Line Descriptions		Tool Set, Cummins Diesel		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				3						
Unit Cost				40.0						
Total Cost				120.0						
Asset Dynamics										
Beginning Asset Position				15	15	15	18	18	18	18
Deliveries from:		FY 1997	Funding			3				
Deliveries from:		FY 1998	Funding							
Deliveries from:		FY 1999	Funding							
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				15	15	18	18	18	18	18
Inventory Objective or Current Authorized Allowance				18	18	18	18	18	18	18
Inventory Objective 18		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks: Build to AO.										

Exhibit P-20, Requirements Study			Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Tools, Sets, Kits, and Chests (A40958)			Admin Leadtime (after Oct 1): 7 Months				Prod Leadtime: 19 Months		
Line Descriptions Tool Set, Detroit Diesel			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			3						
Unit Cost			42.0						
Total Cost			126.0						
Asset Dynamics									
Beginning Asset Position			14	14	14	17	17	17	17
Deliveries from: FY 1997 Funding					3				
Deliveries from: FY 1998 Funding									
Deliveries from: FY 1999 Funding									
Deliveries from Subsequent Years Funds									
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions									
End of Year Asset Position			14	14	17	17	17	17	17
Inventory Objective or Current Authorized Allowance			17	17	17	17	17	17	17
Inventory Objective 17		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999	Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment	BAI
Other:		FY XXXX		FY XXXX		FY XXXX			Inactive Inv
Total:									Storage
Remarks: Build to AO.									

Exhibit P-20, Requirements Study			Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Tools, Sets, Kits, and Chests (A40958)			Admin Leadtime (after Oct 1): 7 Months				Prod Leadtime: 19 Months		
Line Descriptions Tool Set, Allison Transmission			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			3						
Unit Cost			3.0						
Total Cost			8.0						
Asset Dynamics									
Beginning Asset Position			14	14	14	17	17	17	17
Deliveries from: FY 1997 Funding					3				
Deliveries from: FY 1998 Funding									
Deliveries from: FY 1999 Funding									
Deliveries from Subsequent Years Funds									
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions									
End of Year Asset Position			14	14	17	17	17	17	17
Inventory Objective or Current Authorized Allowance			17	17	17	17	17	17	17
Inventory Objective 17		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999	Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment	BAI
Other:		FY XXXX		FY XXXX		FY XXXX			Inactive Inv
Total:									Storage
Remarks: Build to AO.									

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Tools, Sets, Kits, and Chests (A40958)				Admin Leadtime (after Oct 1): 7 Months				Prod Leadtime: 19 Months		
Line Descriptions Tool Set, Common No. 1				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				3	10					
Unit Cost				15.0	15.0					
Total Cost				45.0	150.0					
Asset Dynamics										
Beginning Asset Position				434	431	428	438	437	437	437
Deliveries from: FY 1997 Funding						3				
Deliveries from: FY 1998 Funding						10				
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions				3	3	3	1			
End of Year Asset Position				431	428	438	437	437	437	437
Inventory Objective or Current Authorized Allowance				437	437	437	437	437	437	437
Inventory Objective 437		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks: Assets are to replace washouts of high volume tool set. Assets are to maintain AO.										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Tools, Sets, Kits, and Chests (A40958)				Admin Leadtime (after Oct 1): 3 Months				Prod Leadtime: 16 Months		
Line Descriptions Tool Set, Common No. 2				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					4					
Unit Cost					29.0					
Total Cost					115.0					
Asset Dynamics										
Beginning Asset Position				96	95	94	97	97	97	97
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding						4				
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions				1	1	1				
End of Year Asset Position				95	94	97	97	97	97	97
Inventory Objective or Current Authorized Allowance				97	97	97	97	97	97	97
Inventory Objective 97		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks: Assets are to replace washouts of high volume tool set. Assets are to maintain AO.										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Tools, Sets, Kits, and Chests (A40958)				Admin Leadtime (after Oct 1): 2 Months				Prod Leadtime: 16 Months		
Line Descriptions Took Kit, Electro Optical				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					100					
Unit Cost					3.0					
Total Cost					250.0					
Asset Dynamics										
Beginning Asset Position				530	520	510	600	600	600	600
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding						100				
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions				10	10	10				
End of Year Asset Position				520	510	600	600	600	600	600
Inventory Objective or Current Authorized Allowance				600	600	600	600	600	600	600
Inventory Objective 600		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks: Assets to replace washouts of high volume tool kit. Assets to maintain AO.										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Tools, Sets, Kits, and Chests (A40958)				Admin Leadtime (after Oct 1): 3 Months				Prod Leadtime: 12 Months		
Line Descriptions Tool Set, Caterpillar (MTVR)				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						20				
Unit Cost						25.0				
Total Cost						500.0				
Asset Dynamics										
Beginning Asset Position								20	20	20
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding							20			
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position							20	20	20	20
Inventory Objective or Current Authorized Allowance				20	20	20	20	20	20	20
Inventory Objective 20		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Tools, Sets, Kits, and Chests (A40958)				Admin Leadtime (after Oct 1): 3 Months				Prod Leadtime: 18 Months		
Line Descriptions Tool Set, Containers				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						20				
Unit Cost						6.0				
Total Cost						124.0				
Asset Dynamics										
Beginning Asset Position								20	20	20
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding							20			
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position							20	20	20	20
Inventory Objective or Current Authorized Allowance				20	20	20	20	20	20	20
Inventory Objective 20		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043						P-1 Item Nomenclature: CALIBRATION EQUIPMENT (A45879)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				1.3	1.2	1.1	1.2	1.2	1.2	1.3	N/A	Cont.
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				1.3	1.3	1.5	1.2	1.2	1.2	1.3	N/A	Cont.
Initial Spares												
Total Proc Cost				1.3	1.3	1.5	1.2	1.2	1.2	1.3	N/A	Cont.
Flyaway U/C												
Wpn Sys Proc U/C												
<p>Calibration Equipment provides the calibration equipment and materials required to calibrate, align, and maintain all Marine Corps Test Equipment, Gauges, Survey Instruments, etc. RCN: 045879</p> <p>The Calibration Equipment program provides the total logistic support, performs Program Management functions, and engineering support for:</p> <ul style="list-style-type: none"> - Support of General Purpose and Special Purpose Test Measurement and Diagnostic Equipment (TMDE) required to perform corrective and preventive maintenance at all authorized levels of maintenance - Calibration standards used at Marine Corps intermediate and depot level calibration laboratories to verify support TMDE measurement accuracy through traceability to the National Institute of Standards and Technology (NIST). 												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043			P-1 Line Item Nomenclature: CALIBRATION EQUIPMENT (A45879)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Calibration Equipment (Transportable Regional Calibration & Repair Complex) (7 shelters in 1 complex)													
CALTECS	A				560	16	35000	480	16	30000	400	16	25000
Calibration Stations													
Wattmeter	A				144	16	9000						
High Accuracy AC/DC	A							128	16	8000			
Counter/Frequency	A										320	16	20000
Oscilloscope	A				80	16	5000						
Multimeter	A												
Automotive													
Low Frequency Shared													
Comm Test Set/Signal Generator	A				64	16	4000						
Low Microwave Attenuation	A							80	16	5000			
High Microwave Attenuation	A										160	16	10000
Microwave													
Microwave Shared													
High Frequency Signal Generator													
Flow													
Torque													
Pressure													
Dimensional	A							160	16	10000			
Mechanical Shared													
Cleaning	A										24	16	1500
Force/Mass													
Repair Stations													
Meters													
Automotive													
Microminiature Soldering	A										60	16	3750
Digital/IC													
Oscilloscope													
Counters													
Signal Generators/Receivers													
Ancillary Support Items	A				104	16	6500						
Logistics Support					321			245			162		
TOTAL					1273			1093			1126		

Exhibit P-5a, Budget Procurement History and Planning									Date:		
									September 1997		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Weapon System Type:			P-1 Line Item Nomenclature: CALIBRATION EQUIPMENT (A45879)				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
Fiscal Years											
CALTECS											
FY 97	Various	MIPR	FEDSIM, Falls Church,VA	Jun-97	Jun-98	16	35000	Yes	N/A	N/A	
FY 98	Various	MIPR	FEDSIM, Falls Church,VA	Apr-98	Jun-98	16	30000	Yes	N/A	N/A	
FY 99	Various	MIPR	FEDSIM, Falls Church,VA	Apr-99	Jun-99	16	25000	Yes	N/A	N/A	
Wattmeter											
FY 97	Hewlett Packard, San Rosa, CA	WR	NWS, Seal Beach, CA	Jun-97	Aug-97	16	9000	Yes	N/A	N/A	
Counter/Frequency											
FY 98	TBD	C/FP	MCSC, Quantico, VA	Apr-98	Jul-98	16	8000	Yes	N/A	N/A	
Oscilloscope											
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jun-99	16	20000	Yes	N/A	N/A	
Multimeter											
FY 97	Fluke, Everret, WA	C/FP	NWS, Seal Beach, CA	May-97	Jul-97	16	5000	Yes	N/A	N/A	
Comm Test Set/Signal Generator											
FY 97	Hewlett Packard, San Rosa, CA	C/FP	NWS, Seal Beach, CA	Jun-97	Aug-97	16	4000	Yes	N/A	N/A	
Low Microwave Attenuation											
FY 98	TBD	C/FP	MCSC, Quantico, VA	Apr-98	Jul-98	16	5000	Yes	N/A	N/A	
High Microware Attenuation											
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jul-99		VAR	Yes	N/A	N/A	
Dimensional											
FY 98	TBD	C/FP	MCSC, Quantico, VA	Apr-98	Jul-98	16	10000	Yes	N/A	N/A	
REMARKS:											

Exhibit P-5a, Budget Procurement History and Planning										Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043					Weapon System Type:			P-1 Line Item Nomenclature: CALIBRATION EQUIPMENT (A45879)			
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
Cleaning FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jun-99	16	1500	Yes	N/A	N/A	
Microminiature Soldering FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jul-99	16	3750	Yes	N/A	N/A	
Ancillary Support Items FY 97	Various	WR	NWS, Seal Beach, CA	Apr-97	Jul-98	16	6500	Yes	N/A	N/A	
REMARKS:											

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Calibration Equipment (A45879)				Admin Leadtime (after Oct 1): 8 Months				Prod Leadtime: 12 Months		
Line Descriptions Wattmeter				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16						
Unit Cost				9.0						
Total Cost				144.0						
Asset Dynamics										
Beginning Asset Position					16	16	16	16	16	16
Deliveries from: FY 1997 Funding				16						
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				16	16	16	16	16	16	16
Inventory Objective or Current Authorized Allowance				16	16	16	16	16	16	16
Inventory Objective 16		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Calibration Equipment (A45879)				Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 2 Months		
Line Descriptions Oscilloscope				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						16				
Unit Cost						20.0				
Total Cost						320.0				
Asset Dynamics										
Beginning Asset Position							16	16	16	16
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding						16				
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position						16	16	16	16	16
Inventory Objective or Current Authorized Allowance				16	16	16	16	16	16	16
Inventory Objective 16		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Calibration Equipment (A45879)				Admin Leadtime (after Oct 1): 7 Months				Prod Leadtime: 2 Months		
Line Descriptions Multimeter				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16						
Unit Cost				5.0						
Total Cost				80.0						
Asset Dynamics										
Beginning Asset Position					16	16	16	16	16	16
Deliveries from: FY 1997 Funding				16						
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				16	16	16	16	16	16	16
Inventory Objective or Current Authorized Allowance				16	16	16	16	16	16	16
Inventory Objective 16		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Calibration Equipment (A45879)				Admin Leadtime (after Oct 1): 8 Months				Prod Leadtime: 2 Months		
Line Descriptions Comm Test Set/Signal Generator				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16						
Unit Cost				4.0						
Total Cost				64.0						
Asset Dynamics										
Beginning Asset Position					16	16	16	16	16	16
Deliveries from: FY 1997 Funding				16						
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				16	16	16	16	16	16	16
Inventory Objective or Current Authorized Allowance				16	16	16	16	16	16	16
Inventory Objective 16		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Calibration Equipment (A45879)				Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 3 Months		
Line Descriptions		Dimensional		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					16					
Unit Cost					10.0					
Total Cost					160.0					
Asset Dynamics										
Beginning Asset Position						16	16	16	16	16
Deliveries from:		FY 1997	Funding							
Deliveries from:		FY 1998	Funding		16					
Deliveries from:		FY 1999	Funding							
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position					16	16	16	16	16	16
Inventory Objective or Current Authorized Allowance				16	16	16	16	16	16	16
Inventory Objective 16		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Calibration Equipment (A45879)				Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 15 Months		
Line Descriptions Ancillary Support Items				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16						
Unit Cost				7.0						
Total Cost				104.0						
Asset Dynamics										
Beginning Asset Position						16	16	16	16	16
Deliveries from: FY 1997 Funding					16					
Deliveries from: FY 1998 Funding										
Deliveries from: FY 1999 Funding										
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position					16	16	16	16	16	16
Inventory Objective or Current Authorized Allowance				16	16	16	16	16	16	16
Inventory Objective 16		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipment / P4475043						P-1 Item Nomenclature: Global Positioning Survey (GPS)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost					0.2	0.4						0.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					0.2	0.4						0.6
Initial Spares												
Total Proc Cost					0.2	0.4						0.6
Flyaway U/C												
Wpn Sys Proc U/C												
<p>This line includes the Global Positioning Survey (GPSS) Device which is a Satellite Based Survey System that will improve responsiveness and accuracy of This line includes the Global Positioning Survey (GPSS) Device which is a Satellite Based Survey System that will improve responsiveness and accuracy of Marine Corps Artillery units by providing for quick, accurate, and common survey control through the battlefield. RCN: 148746</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipment / P4475043			P-1 Line Item Nomenclature: Global Positioning Survey (GPS)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Global Positioning Survey	A							240	12	20000	360	18	20000
TOTAL								240			360		

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipment / P4475043			Weapon System Type:		P-1 Line Item Nomenclature: Global Positioning Survey (GPS)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Global Positioning Survey	Trimble Navigation, LTD	FFP	MCSC, Quantico, VA	Mar-98	Aug-98	12	20000	Yes	N/A	N/A
FY 98	Trimble Navigation, LTD	FFP	MCSC, Quantico, VA	Mar-99	Aug-99	18	20000	Yes	N/A	N/A
FY 99										
REMARKS:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipment / P4475043				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Global Positioning Survey (GPS)				Admin Leadtime (after Oct 1): 5 Months				Prod Leadtime: 5 Months		
Line Descriptions Global Positioning Survey				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					12	18				
Unit Cost					20.0	20.0				
Total Cost					240.0	360.0				
Asset Dynamics										
Beginning Asset Position				40	40	52	70	70	70	70
Deliveries from: FY 1997 Funding										
Deliveries from: FY 1998 Funding					12					
Deliveries from: FY 1999 Funding						18				
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				40	52	70	70	70	70	70
Inventory Objective or Current Authorized Allowance				100	100	100	100	100	100	100
Inventory Objective 100		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 044								P-1 Item Nomenclature: AIR OPERATIONS C2 SYSTEMS (P44447)				
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				10.9	9.4	11.7	3.1	5.7	2.7	5.2		48.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				10.9	9.4	11.7	3.1	5.7	2.7	5.2		48.7
Initial Spares				0.4	0.7	0.2	2.7					4.0
Total Proc Cost				11.3	10.1	11.9	5.8	5.7	2.7	5.2		52.7
Flyaway U/C												
Wpn Sys Proc U/C												

TAOM: The AN/TYQ-23(v)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensores, power sources, support equipment, and personnel, provides the Marine Corps with the capability of integrating air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air date. Four Tactical Air Operations Modules consititues one system.

CTAPS: Provides the Commander the automated tools necessary to generate, disseminate and execute the Air Tasking Order (ATO), as mandated by the Chairman, Joint Chiefs of Staff in July 1993. It is an evolutionary acquisition, allowing for the rapid development/fielding of hardware and software to meet todays rapidly advancing technology. It is fielded to all four Marine Air Command squadrons (MTACS) and the supporting establishment.

The Advanced Tactical Air Command Central (ATACC) is a transportable command, control, and communications system designed to provide the Aviation Combat Element (ACE) Commander with the capability to plan, coordinate, and direct Marine air Ground Task Force (MAGTF) tactical air operations. ATACC provides computer assistance to Marine Corps planners and operators to faciliate coordination of air battle planning and execution.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipment / P4444044			P-1 Line Item Nomenclature: Air Operations C2 Systems (P44447)			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID CD				FY 97			FY 98			FY 99		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Tactical Air Operations Moduel (TAOM)					8160			9371			10221		
Contingency Theater Automated Planning (CTAPS)					340						1500		
Advance Tactical Air Command Control (ATACC)					2429								
TOTAL					10929			9371			11721		
Active Total					(10929)			(9371)			-11521		
Reserve Total					(0)			(0)			(200)		

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 044						P-1 Item Nomenclature: Tactical Air Operations Module (TAOM)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				1	17	23						41
Gross Cost				8.2	9.4	10.2	2.8	4.7	2.4	4.2		41.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				8.2	9.4	10.2	2.8	4.7	2.4	4.2		41.9
Initial Spares				0.2	0.6	0.7	2.7					4.2
Total Proc Cost				8.5	10.0	10.9	5.5	4.7	2.4	4.2		46.1
Flyaway U/C												
Wpn Sys Proc U/C				8.245	0.551	0.444						

1. The AN/TYQ-23 (v)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensors, power sources, support equipment, and personnel, provides the U. S. Marine Corps with the capability of integrating air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air data. Four Tactical Air Operations Modules constitutes one system.

2. This is a collection of efforts and an evolutionary acquisition stragety, encompassing ECPs and incorporation of COTS equipment into the existing Tactical Air Operations Center (TAOC) platform. This initiative upgrades the system to include Joint Tactical Data Links (TADIL-J), Sector Anti-Air Warfare Facility (SAAWF), operator console units, and the TPS-59 Radar interface, representing four major elements.

3. These upgrades open up the system architecture, provide and automated air tasking order capability, tactical missile defense, and a battle management facility. The open architecture facilitates TADIL-J upgrade.

Note: TAOM FY96 & Prior Funded in BLI 459400

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: <div>Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 024</div>			P-1 Line Item Nomenclature: <div>TACTICAL AIR OPS MODULE (TAOM) (P44003)</div>			Weapon System Type:			Date: <div>September 1997</div>		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$ 000	Each	\$	\$ 000	Each	\$	\$ 000	Each	\$
AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRAM													
OCU UPGRADES					7407	1	7407000	7696	17	452706	9451	23	410913
VOICE GATEWAY													
GSA/WWT													
SUPPORT EQUIPMENT					243			50			50		
CONTRACTOR ENGINEERING SUPPORT					362			900			470		
SAAWF WARRANTY													
TAD					50			25			50		
MCTSSA TSP					98			700			200		
TOTAL					8160			9371			10221		
Active Reserve											(7221) (3000)		

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 024				Weapon System Type:		P-1 Line Item Nomenclature: TACTICAL AIR OPS MODULE (TAOM) (P44003)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRAM OCU UPGRADES	LITTON DATA SYSTEM Agoura Hills, CA	SSCPFF	QUANTICO, VA							
FY 97				Oct-96	Jun-97	1	7407000	YES	NO	N/A
FY 98				Jan-98	Nov-98	17	452706	YES	NO	N/A
FY 99				Oct-98	Oct-99	23	410913	YES	NO	N/A
REMARKS:										

Exhibit P-20, Requirements Study				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 044				Date: September 1997		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): AIR OPERATIONS C2 SYSTEMS (P44447)				Admin Leadtime (after Oct 1): 3 Months				Prod Leadtime: 10 Months		
Line Descriptions		TAOM		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				1	17	23				
Unit Cost				7407000.0	452706.0	410913.0				
Total Cost				7407000.0	7696002.0	9450999.0				
Asset Dynamics										
Beginning Asset Position				1	2	2	19	42	42	42
Deliveries from: FY 1997 Funding				1						
Deliveries from: FY 1998 Funding						17				
Deliveries from: FY 1999 Funding							23			
Deliveries from Subsequent Years Funds										
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Attritions										
End of Year Asset Position				2	2	19	42	42	42	42
Inventory Objective or Current Authorized Allowance										
Inventory Objective 42		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement		Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv
Total:										Storage
Remarks:										

Exhibit P-40, Budget Item Justification Sheet								Date: September 1997				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 044						P-1 Item Nomenclature: CTAPS (A44033)						
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						5						5
Gross Cost				0.3		1.5	0.3	1.0	0.3	1.0		4.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				0.3		1.5	0.3	1.0	0.3	1.0		4.4
Initial Spares				0.1	0.1							0.2
Total Proc Cost				0.4		1.5	0.3	1.0	0.3	1.0		4.6
Flyaway U/C												
Wpn Sys Proc U/C						0.300						
<p>CTAPS is a system which provides the Commander the automated tools necessary to generate, disseminate and execute the Air Tasking Order (ATO), as mandated by the Chairman, Joint Chiefs of Staff in July 1993. It is an evolutionary acquisition, allowing for the rapid development/fielding of hardware and software to meet today's rapidly advancing technology. It is fielded to all four Marine Tactical Air Command Squadrons (MTACS) and the supporting establishment with MCTS</p> <p>SA and MCCES sharing a full system.</p> <p>Note: CTAPS FY 96 & Prior Funded in BLI 459700.</p>												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 044			P-1 Line Item Nomenclature: CTAPS (A44033)			Weapon System Type:			Date: September 1997		
Weapon System Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CTAPS Hardware (Sun Sparc)											1000	5	200000
Intergrated Logistics Support											200		
Program Management Support											300		
Contractor Support					340								
TOTAL					340						1500		
Active Component											1300		
Reserve Component											200		

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 044				Weapon System Type:		P-1 Line Item Nomenclature: CTAPS (A44033)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
CTAPS Hardware	TBD	TBD	MARCORSYSCOM	Jan-99	Jan-00	5	200000	NA	NA	NA
REMARKS:										

Exhibit P-40, Budget Item Justification Sheet

Date:

September 1997

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109)/Communications and Electronic Equipment (4) / 044

P-1 Item Nomenclature:

ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				5								
Gross Cost				2.4								2.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				2.4								2.4
Initial Spares												
Total Proc Cost				2.4								2.4
Flyaway U/C												
Wpn Sys Proc U/C				0.480								

Advanced Tactical Air Command Central (ATACC) provides automated data exchange and processing of tactical information; automated generation of Air Tasking Orders (ATOs) by integrating Contingency Theater Automated Planning System (CTAPS) and computer assistance in maintaining status information. Planners and operators have access to information from a shared database which is automatically updated by messages received from TADIL-A, TADIL-B, NATO Link-1, TADIL-J, and JICS/MTF.

ATACC maximizes use of non-developmental hardware and software items. ATACC hardware is 95 percent NDI or modified NDI. Software is 65 percent NDI. Developed software is written in Ada as directed by DOD. The MS III decision in March 1994, redefined the program to a three phase evolutionary acquisition. Phase I provides the initial capability and uses the existing prototype four shelter per MEF system reconfigured and upgraded to a one shelter per MEF system, plus software fixes required by the operational test, purchase of CTAPS, and a replacement for the current bubble shelter. Two additional non-deployable systems are required for training and software integration. The ATACC replaces the 1960s technology of the AN/TYP-1 AND AN/TYQ-3A.

Note: ATACC FY 96 & Prior Funded in BLI 459700.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipment / P4444044			P-1 Line Item Nomenclature: ATACC			Weapon System Type:			Date: September 1997		
Weapon Svstem Cost Elements	ID				FY 97			FY 98			FY 99		
	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Advanced Tactical Air Command Central (ATACC)					2429	5	485800						
TOTAL					2429								

Exhibit P-5a, Budget Procurement History and Planning									Date: September 1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 044			Weapon System Type:		P-1 Line Item Nomenclature: ATACC					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Advanced Tactical Air Command Control (ATACC) FY 97	MarCorSysCom, Quantico, VA	FFP	MARCORSYSCOM Quantico, VA	Aug-97	Mar-98	5	485800	YES	NO	N/A
REMARKS:										

[illegible]

[illegible]